

im ph
Bb
M

Michigan, University of

UNIVERSITY BULLETIN

NEW SERIES, VOL. XXI, NO. 32

MARCH 27, 1920

3 1761 09616535 2

UNIVERSITY OF MICHIGAN

BIBLIOGRAPHY

OF

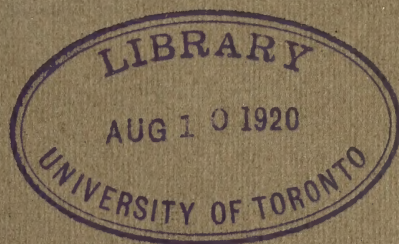
PUBLICATIONS BY MEMBERS

OF THE

SEVERAL FACULTIES

From July 1, 1909, to June 30, 1918.

Alfred H. Lloyd
Dean of the Graduate School,
Editor



PUBLISHED BY THE UNIVERSITY
ANN ARBOR
1920

THE UNIVERSITY BULLETIN IS ISSUED BY THE UNIVERSITY OF
MICHIGAN ONCE EVERY WEEK.

ENTERED AS SECOND-CLASS MATTER AT THE POSTOFFICE AT ANN
ARBOR, MICHIGAN.

THE BULLETIN INCLUDES THE FOLLOWING PUBLICATIONS:—

The Annual Report of the President.

The Catalogue of the University.

The Annual Announcements of the College of Literature,
Science, and the Arts, the Colleges of Engineering and
Architecture, the Medical School, the Law School, the
College of Pharmacy, the Homœopathic Medical School,
the College of Dental Surgery, the Graduate School, and
the Summer Session.

Other Announcements of the several departments of instruction,
Reports of University officers, etc.



Digitized by the Internet Archive
in 2014

UNIVERSITY OF MICHIGAN

BIBLIOGRAPHY

OF

PUBLICATIONS BY MEMBERS

OF THE

SEVERAL FACULTIES

FROM JULY 1, 1909, TO JUNE 30, 1918

ALFRED H. LLOYD
DEAN OF THE GRADUATE SCHOOL, EDITOR

PUBLISHED BY THE UNIVERSITY
ANN ARBOR
1920

PREFACE

In this list of publications no attempt has been made to give an exhaustive record of the published work of the members of the University's faculties. In general only the contributions in the different fields of specialization have been included here, the primary purpose being to represent the productive scholarship and research of the University. Even off-prints, reprints, new editions have not been mentioned except where distinct revision or addition has been indicated. Personal items, too, and, as a rule, official and public papers and addresses have been omitted. Reviews, when in the author's field of specialization, have been referred to, but without specific titles.

In the emphasis thus put on research and contribution, by a bibliography limited as this is, there has been, of course, no intention to discredit other forms of academic literature or other forms of service to the University. The thought has been simply that research and scholarly contribution are of peculiar importance and that this published record of accomplishment will have the advantage of all publicity, bringing recognition, whether as criticism or as appreciation, and affording stimulus. A university needs in addition to effective teaching and administration, a constant and vigorous interest in productive scholarship and research.

The record, as given here, covers the period from July 1st, 1909, to June 30th, 1918, and is in continuation of a similar record published by the University Library in 1909. For the year just past, 1918-19, a list of publications will be appended to the annual report of the Dean of the Graduate School, appearing probably in November. In the future the Dean's report, it is expected, will give for each year the record of publications.

That the preparation of this pamphlet has involved many difficulties will be generally appreciated. Mistakes of form and matter and of judgment there are bound to be. The Dean of the Graduate School has had much help, both from a special committee, Professors Alexander Ziwet and A. L. Cross, and from the University Library, but as chief editor he must assume the responsibility and, wherever appropriate, offer apology.

ALFRED H. LLOYD

BIBLIOGRAPHY OF PUBLICATIONS BY MEMBERS
OF THE SEVERAL FACULTIES

ADAMS, Edward Larrabee

Word-formation in Provençal. (Published as v. 2 of the Univ. of Mich. Stud., Human. Ser.) Macmillan Co., New York, 1913, Cloth, xvii, 607 p.

ADAMS, Henry Carter

Description of industry, an introduction to economics. Holt and Co., New York, 1918, 270 p.

American railway accounting: a commentary. Holt and Co., New York, 1918, 192 p.

Borrowing as a phase of war financing. Am. Acad. Pol. and Soc. Sci., 1918, v. 75, p. 8

Principles of public accounting. Mich. Tax Assn., Proc. of 1918, p. 20

ADAMS, Henry Foster

Advertising and its mental laws. Macmillan Co., New York, 1916, xi, 333 p.

Autokinetic sensations. Psych. Rev., Monograph Sup., 1912, v. 14, No. 2, p. 1-45.

A set of blind rats which could not learn the maze. J. An. Behav., 1913, v. 3, p. 300-302.

A note on the effect of rhythm on memory. Psych. Rev., 1915, v. 22, p. 289-298.

The adequacy of the laboratory test in advertising. Psych. Rev., 1915, v. 22, p. 402-422.

The relative importance of size and frequency in forming associations. J. Phil., Psych. and Sci. Meth., 1915, v. 12, p. 477-492.

The relative memory values of duplication and variation in advertising. J. Phil., Psych. and Sci. Meth., 1916, v. 13, p. 141-152.

The memory value of mixed sizes of advertisements. J. Exp. Psych., 1917, v. 2, p. 448-465.

AIGLER, Ralph William

- Titles to real property. (American Case Book Series.) West Publishing Co., St. Paul, 1916, xx, 953 p.
- Cases on the law of bankruptcy. (With Evans Holbrook.) Callaghan and Co., Chicago, 1915, vi, 764 p.
- In the absence of proof what is the presumption as to the law of a country not of common law origin? Mich. Law Rev., 1909, v. 8, p. 50-52.
- Validity of legislation limiting hours of labor for women. Mich. Law Rev., 1909, v. 8, p. 44-45.
- The constitutionality of the federal corporation tax. Mich. Law Rev., 1910, v. 8, p. 206-220.
- The degree of care required in the operation of a scenic railway. Mich. Law Rev., 1910, v. 8, p. 405-407.
- Liability of water companies for losses by fire in actions of tort. Mich. Law Rev., 1910, v. 8, p. 485-486.
- Interstate commerce and state control of foreign corporations. Mich. Law Rev., 1910, v. 8, p. 572-575.
- Constitutionality of legislation designating time and manner of payment of wages. Mich. Law Rev., 1910, v. 9, p. 142-146.
- The corporation tax decision. Mich. Law Rev., 1911, v. 9, p. 595-599.
- The running with the land of agreements to pay for a portion of the cost of party walls. Mich. Law Rev., 1912, v. 10, p. 187-201.
- Is a bank check an assignment pro tanto of the fund or deposit? Mich. Law Rev., 1912, v. 10, p. 393-396.
- Provability in bankruptcy of claims arising out of alimony decrees or separation agreements between husband and wife. Mich. Law Rev., 1912, v. 10, p. 476-478.
- Possession under mistake as adverse possession. Mich. Law Rev., 1912, v. 11, p. 57-58.
- The character of user in prescription. Mich. Law Rev., 1913, v. 11, p. 384-386.
- Effect of covenants in leases upon tenant's right to remove trade fixtures. Mich. Law Rev., 1913, v. 11, p. 592-593.
- Depositor's checks in payment of matured obligations held by drawee bank as preferences. Mich. Law Rev., 1913, v. 12, p. 50-52.

- Interstate commerce and state control over foreign corporations. Mich. Law Rev., 1914, v. 12, p. 210-215.
- Adverse possession in the case of the rights of way of the Pacific Railroad Companies. Mich. Law Rev., 1914, v. 12, p. 300-302.
- The right to divert water to non-riparian land. Mich. Law Rev., 1914, v. 12, p. 304-307.
- Breach of landlord's covenant as a defense for rent. Mich. Law Rev., 1915, v. 13, p. 317-318.
- Revocability of licenses. The rule of *Wood v. Leadbetter*. Mich. Law Rev., 1915, v. 13, p. 401-402.
- Estates in fee tail. Mich. Law Rev., 1916, v. 14, p. 658-659.
- Special assessments upon cemeteries. Mich. Law Rev., 1916, v. 15, p. 149-152.
- The scope of the Mann Act. Mich. Law Rev., 1917, v. 15, p. 425-426.
- State legislation extending to navigable waters. Mich. Law Rev., 1917, v. 15, p. 657-659.
- Reletting on abandonment by tenant as surrender by operation of law. Mich. Law Rev., 1917, v. 15, p. 659-660.
- Is a contract necessary to an escrow? Mich. Law Rev., 1918, v. 16, p. 569-588.

ALLEN, Edward Switzer

- Sopra le serie algebriche appartenenti ad una curva algebrica. Rend. Acc. Lincei, Roma, 1913, Ser. 5, v. 22, p. 424-428.
- Su alcuni caratteri di una serie algebrica, e la formola di de Jonquières per serie qualsiasi. Rend. Ci. mat., Palermo, 1914, v. 37, p. 345-370.
- Enumerative geometry. Bull. Am. Math. Soc., New York, 1915, v. 22, p. 85-93.

ATWELL, Harry Hurd

- The Michigan plat law. Mich. Eng., 1916, p. 193-212.
- Town, city, and village plats or land subdivision. Mich. Eng., 1917, p. 149-151.

ATWELL, Wayne Jason

- The relation of the chorda dorsalis to the entodermal component of the hypophysis. Anat. Rec., 1915, v. 10, p. 19-36.
- Notes in The anatomical record, 1915, v. 10, p. 39-41; 1917, v. 11, p. 322-323; and 1918, p. 14, p. 28.

BADGER, Walter Lucius

The preparation of calcium. (With F. C. Frary.) *Tr. Am. Electrochem. Soc.*, 1909, v. 16, p. 185-195.

Errors in the determination of moisture in coal. (With W. E. Hildebrand.) *Original Communications*, 8th Int. Cong. Appl. Chem., 1912, v. 10, p. 187-194.

A switchboard for experimental electric furnace work. *Tr. Am. Electrochem. Soc.*, 1917, v. 31, p. 157-164.

BAILEY, Benjamin Franklin

The principles of dynamo electric machinery. McGraw-Hill Book Co., New York, 1915, 314 p.

BARBOUR, Willard Titus

The history of contract in early English equity. (Oxford studies in social and legal history, v. 4.) Clarendon Press, Oxford, 1914, 237 p.

The "right" to break a contract. *Mich. Law Rev.*, 1917, v. 16, p. 106-109.

Some aspects of fifteenth century chancery. *Harv. Law Rev.*, 1918, v. 31, p. 834-859.

BARRETT, Albert Moore

Biennial reports of the State Psychopathic Hospital of the University of Michigan. *Lansing State Documents*, 1910, 53 p.; 1912, 71 p.; 1914, 107 p.; 1916, 76 p.

Report of the commission to investigate the extent of feeble-mindedness, epilepsy and insanity in Michigan. (With H. W. Crane, Adele E. McKinne, Sarah D. Mackay, Pauline Buck and C. Webber.) *Lansing State Document*, 1915, 175 p.

Psychoses associated with acute infectious diseases. *Cleveland Med. J.*, 1910, v. 9, p. 909-923.

A review of the clinical and anatomical data of apraxia. *Phys. and Surg.*, Ann Arbor, 1910, p. 1-10.

A case of pure word deafness with autopsy. *J. of Nerv. and Ment. Dis.*, 1910, v. 37, p. 73-92.

Degenerations of intracellular neurofibrils with miliary gliosis in psychoses of the senile period. *Am. J. Ins.*, 1910, p. 393-406.

A case of Alzheimer's disease with unusual neurological disturbances. *J. Nerv. and Ment. Dis.*, 1913, v. 40, p. 361-374.

Diffuse glioma of the pia mater. *Am. J. Ins.*, 1913, p. 643.

- Mental disorders and cerebral lesions associated with pernicious anemia. *Am. J. Ins.*, 1913, p. 1063.
- Presenile, arteriosclerotic and senile disorders of the brain and cord. *Mod. Treat. Nerv. and Ment. Dis.*, 1913, p. 675-710.
- Clinical and anatomical study of a case of dementia praecox with acute death. *J. Mich. State Med. Soc.*, 1915, p. 61.
- Syphilitic psychoses associated with manic depressive symptoms and course. *J. Am. Med. Assn.*, 1916, p. 1639-1642.
- State psychopathic hospitals. *Rep. of Bd. of Control of State Inst. of Ia.*, 1916.
- Other papers, discussions, etc.; especially reports of cases in *Mich. State Med. J.*

BARSS, Harold deBloiss

- Coley's mixed toxins in the treatment of sarcomata with a report of four cases of osteosarcoma treated by this method. *J. Mich. State Med. Soc.*, 1916, v. 15, p. 497-506.
- A report of two cases of von Recklinghausen's disease (Neurofibromata). *J. Mich. State Med. Soc.*, 1917, v. 16, p. 113-116.

BARTELL, Floyd Earl

- The size of the bores in porcelain and osmotic effects. (With S. L. Bigelow.) *J. Am. Chem. Soc.*, 1909, v. 31, p. 1194.
- The permeability of porcelain and copper ferrocyanide membranes. *J. Phys. Chem.*, 1911, v. 15, p. 659.
- Pore diameters of osmotic membranes. *J. Phys. Chem. Soc.*, 1912, v. 16, p. 318.
- Notes on osmose. *J. Am. Chem. Soc.*, 1914, v. 36, p. 646; *ibid.* 1916, v. 38, p. 1029, and p. 1036.

BARTLETT, Harley Harris

- A synopsis of the American species of *litsea*. *Proc. Am. Acad. Arts and Sci.*, 1909, v. 44, p. 597-602.
- Notes on Mexican and Central American alders. *Proc. Am. Acad. Arts and Sci.*, 1909, v. 44, p. 609-612.
- The purple-flowered androcerae of Mexico and the southern United States. *Proc. Am. Acad. Arts and Sci.*, 1909, v. 44, p. 627-629.
- Descriptions of Mexican phanerogams. *Proc. Am. Acad. Arts and Sci.*, 1909, v. 44, p. 630-637.

- The submarine chamaecyparis bog at Woods Hole, Massachusetts. *Rhodora*, 1909, v. 11, p. 221-235.
- The source of the drug dioscorea, with a consideration of the dioscoreae found in the United States. U. S. Dept. Agr. Bur. Plant Industry, 1910, Bull. 189, p. 1-29.
- On gynodioecism in *plantago lanceolata*. *Rhodora*, 1911, v. 13, p. 199-206.
- Absorption and excretion of salts by roots, as influenced by concentration and composition of culture solutions. I. Concentration relations of dilute solutions of calcium and magnesium nitrates to pea roots. With R. H. True. U. S. Dept. Agr., Bur. Plant Industry, 1912, Bull. 231, p. 1-36.
- Systematic studies on *oenothera*. I. *Oenothera Tracyi* sp. nov. *Rhodora*, 1911, v. 13, p. 209-211. II. The delimitation of *oenothera biennis* L. *Rhodora*, 1913, v. 15, p. 48-53. III. New species from Ithaca, New York. *Rhodora*, 1913, v. 15, p. 81-85. IV. *Oenothera franciscana* and *oenothera venusta*, *Rhodora*, 1914, v. 16, p. 33-37. V. *Oenothera Robinsonii* and *oenothera cleistantha* spp. novv. *Rhodora*, 1915, v. 17, p. 41-44.
- The purpling chromogen of a Hawaiian dioscorea. U. S. Dept. Agr. Bur. Plant Industry, 1913, Bull. 264, p. 1-19.
- Inheritance of sex forms in *plantago lanceolata*. *Rhodora*, 1913, v. 15, p. 173-178.
- Twelve elementary species of *onagra*. *Cybele Columbiana*, 1914, v. 1, p. 37-56.
- An account of the cruciate-flowered *oenotheras* of the subgenus *onagra*. *Am. J. Bot.*, 1914, v. 1, p. 226-243.
- Additional evidence of mutuation in *oenothera*. *Bot. Gaz.*, 1915, v. 59, p. 81-123.
- The mutations of *oenothera stenomeres*. *Am. J. Bot.*, 1915, v. 2, p. 100-109.
- Mutation en masse. *Am. Nat.*, 1915, v. 49, p. 129-139.
- The experimental study of genetic relationships. *Am. J. Bot.*, 1915, v. 2, p. 132-155.
- The exchange of ions between the roots of *lupinus albus* and culture solutions containing one nutrient salt. (With R. H. True.) *Am. J. Bot.*, 1915, v. 2, p. 255-278.
- Mass mutation in *oenothera pratincola*. *Bot. Gaz.*, 1915, v. 60, p. 425-456.

- The exchange of ions between the roots of *lupinus albus* and culture solutions containing three nutrient salts. (With R. H. True.) *Am. J. Bot.*, 1915, v. 2, p. 311-323.
- The exchange of ions between the roots of *lupinus albus* and culture solutions containing three nutrient salts. (With R. H. True.) *Am. J. Bot.*, 1916, v. 3, p. 47-57.
- Coniferous woods of the Potomac formation. (With E. W. Sinnott.) *Am. J. Sci.*, 1916, v. 41, p. 276-293.
- A comparison of the wood structure of *oenothera stenomerus* and its tetraploid mutation *gigas*. (With W. W. Tupper.) *Genetics*, 1916, v. 1, p. 177-184.
- The botanical work of Edward Lee Greene. *Torreyia*, 1916, v. 16, p. 151-175.
- The status of the mutation theory, with especial reference to *oenothera*. *Am. Nat.*, 1916, v. 50, p. 513-529.
- Matroclinic inheritance in *oenothera Reynoldsii*. (With Carl D. LaRue.) *Am. J. Bot.*, 1917, v. 4, p. 119-144.
- The relation of mutational characters to cell size. (With W. W. Tupper.) *Genetics*, 1918, v. 3, p. 93-106.
- The flavones of *rhus*. (With Charles E. Sando.) *Am. J. Bot.*, 1918, v. 5, p. 112-119.
- Cell measurement as an aid in the analysis of quantitative variation. (With W. E. Brotherton, Jr.) *Am. J. Bot.*, 1918, v. 5, p. 192-206.
- Purple bud sport on pale flowered lilac (*syringa persica*). (With Frieda Cobb.) *Bot. Gaz.*, 1918, v. 65, p. 560-562.
- Twenty other titles, being short reports, descriptions, discussions, in *Rhodora*, *Proc. Am. Acad. Arts and Sci.*, *Science*, *Bull. Torr. Bot. Club*, and *Torreyia*.

BATES, Henry Moore

- The right of privacy at common law. *Mich. Law Rev.*, 1910, v. 8, p. 221-222.
- Some unscheduled liabilities of trust companies. *Proc. Am. Bankers' Assn.*, 1912, p. 286-300.
- Popular discontent with law and some proposed remedies. *Mich. State Bar Assn. Rep.*, 1913, p. 99-113.
- Address of the president of the association of American law schools. *Am. Bar Assn. Rep.*, 1913, p. 890-907.
- Defects in our legal system. *Mich. Law Rev.*, 1914, v. 12, p. 167-184.

- Law schools and reform in procedure. Ill. State Bar Assn. Rep., 1914, p. 399-412.
- Should applicants for admission to the bar be required to take a law school course? Case and Comment, 1915, v. 21, p. 960-961.
- Can a manufacturer be compelled to sell? Mich. Law Rev., 1916, v. 14, p. 228-231.
- Validity of race segregation ordinances. Harv. Law Rev., 1918, v. 31, p. 475-479.
- The national army act and the administration of the draft. Mich. Law Rev., 1918, v. 16, p. 376-379.
- Power of the United States Supreme Court to enforce judgments against states. Mich. Law Rev., 1918, v. 16, p. 617-621.

BELL, Herbert

- A course on the solution of spherical triangles for the mathematical laboratory. (Edinburgh mathematical tracts.) G. Bell and Sons, Lond., 1915, viii, 66 p.
- Thunderstorms at the Ben Nevis Observatories and on the Scottish coasts. J. of the Scottish Meteorological Soc., 1909, v. 14, p. 119-134.
- A working list of mathematical tables. (With J. R. Milne.) Modern instruments and methods of calculation, a handbook of the Napier tercentenary exhibition, ed. by E. M. Horsburgh. Bell and Sons, Lond., 1914, p. 47-60.
- Note on Captain Weir's Azimuth diagram and its anticipation of a spherical triangle nomogram. Proc. Royal Soc. of Edinburgh, (1915-16), 1917, p. 192-198.
- A new method for determining g , the acceleration due to gravity. Monthly Weather Rev. (1916), 1917, v. 44, p. 573-574.
- The measurement of variations in the earth's magnetic field. Terrestrial magnetism and atmospheric electricity, 1916, v. 21, p. 205-208.

BENNETT, Wells Ira

- Stephen Hallet and his designs for the National Capitol, 1791-94. J. Am. Hist. Arch., JI-O, 1916.

BIGELOW, Samuel Lawrence

- Theoretical and physical chemistry. Century Co., New York, 1912, xiii, 544 p.

- The size of the pores in porcelain and osmotic effects. (With F. E. Bartell.) *Am. Chem. Soc.*, 1909, v. 31, p. 1194-1199.
- The function of the walls in capillary phenomena. (With F. W. Hunter.) *J. Phys. Chem.*, 1911, v. 15, p. 367-380.
- Capillary phenomena and supercooling. (With E. A. Rykenboer.) *J. Phys. Chem.*, 1917, v. 21, p. 474-512.
- Some experiments on the manifestation of osmotic pressure with membranes of chemically inert materials. (With C. S. Robinson.) *J. Phys. Chem.*, 1918, v. 22, p. 99-127; p. 153-183.

BISHOP, William Warner

- Practical handbook of modern library cataloging. Waverly Press, Baltimore, 1914, 150 p.
- The Library of Congress. Gov. Ptg., Washington, 1912, 19 p., 6 plates.
- Cataloging as an asset. Waverly Press, Baltimore, 1916, 22 p.
- Two unsolved problems in library work. *Lib. J.*, 1912, v. 37, p. 7-11.
- Training in the use of books. *Sewanee Rev.*, 1912.
- The backs of books. *Bull. of the New York Public Library*, 1914.
- The theory of reference work. *Proc. Am. Lib. Assn.*, 1915, p. 134-139.
- Leadership through learning. *Proc. Am. Lib. Assn.*, 1916.
- Semi-annual report on American library affairs. *Zeitschrift des Oesterreichischen Vereins für Bibliothekswesen*, 1912, 1913, 1914.
- Other papers and reviews.

BOAK, Arthur Edward

- The Roman *Magistri* in the civil and military service of the Empire. *Harv. Stud. in Class. Philol.*, 1915, v. 26, p. 73-164.
- The *Magistri* of Campania and Delos. *Class. Philol.*, 1916, v. 11, p. 25-45.
- The theoretical basis of the deification of rulers in antiquity. *Class. J.*, 1916, v. 11, p. 293-297.
- The present status of the problem of races in the prehistoric Aegean Basin. *Class. J.*, 1917, v. 12, p. 25-36.

BLINN, John Ferguson

- Mercurius Cyanatus. *The Univ. Homeop. Obs.*, 1916, v. 16, p. 108-116.

Asclepias tuberosa. The Chironian, 1917, v. 34, p. 201-206.

Lathyrus sativa, a preliminary report. Univ. Homeop. Obs., 1917, v. 17, p. 103-105.

BONNER, Campbell

On certain supposed literary relationships. Class. Philol., 1909, v. 4, p. 276-290.

Notes on a certain use of the Reed. Tr. Am. Philol. Assn., 1909, v. 39, p. 35-48.

The prenuptial rite in the Aetia of Callimachus. Class. Philol., 1911, v. 6, p. 402-409.

Dionysiac magic and the Greek land of Cockaigne. Tr. Am. Philol. Assn., 1911, v. 41, p. 175-185.

A primitive marriage custom in the *Kebra Nagast*. Zeit. für Assyriol., 1913, v. 28, p. 317-323.

The sacred bond. Tr. Am. Philol. Assn., 1914, v. 44, p. 233-245.

A question of emphasis. Class. J., 1918, v. 13, p. 206-211.

Reviews in Class. J. and Class. Philol.

BOTTSFORD, Leslie Lee

A case of hydrocephalus with spina bifida and complete situs inversus. J. Mich. State Med. Soc., 1916, v. 15, p. 492-497.

Uterine fibromyomata complicating pregnancy; with the report of a case. J. Mich. State Med. Soc., 1917, v. 16, p. 288-290.

BOUCKE, Ewald Augustus

Heine im Dienste der Idee. Euphorion. Zeitschrift für Literaturgeschichte, v. 16, p. 116-131; 434-460.

BRADSHAW, John William

An infinite product for $\frac{1}{4}$ derived from Gregory's series. Quar. J. Pure and Appl. Math., No. 172, 1912, p. 378-379.

Approximate construction for an ellipse. Am. Math. Monthly, 1917, v. 24, p. 301-302.

BRAGG, Edward Milton

The design of marine engines and auxiliaries. D. Van Nostrand Co., New York, 1916, ix, 183 p.

The desirability of using high mean referred pressures. Am. Soc. of Nav. Eng., 1913, v. 25, p. 14-21.

Feathering paddle wheels. Soc. of Nav. Arch. and Mar. Eng., 1916, v. 24, p. 175-180, pl. 90-98.

Short articles on designs of turning and reversing engines. *Int. Mar. Eng.*, 1909, v. 14, p. 400-402 and 467-469; 1910, v. 15, p. 4-5.

Calculations for the size of a jump beam. *Int. Mar. Eng.*, 1910, v. 15, p. 144-146.

BUNTING, Russell Welford

Potassium sulphocyanate in the saliva. *Dent. Cos.*, 1910, v. 52, p. 1346-1351.

Secondary calcifications of the tooth pulp. *Dent. Cos.*, 1912, v. 54, p. 157-169.

Immunity and susceptibility of the teeth to caries. *Dent. Cos.*, 1912, v. 54, p. 537-544.

Certain sections of the human jaws made by the late Dr. W. D. Miller. *Dent. Cos.*, 1912, v. 54, p. 677-683.

Immunity and susceptibility of the teeth to caries. *Dent. Cos.*, 1912, v. 54, p. 537-544.

Effects of depraved oral conditions upon nutrition. *Dent. Cos.*, 1913, v. 4, p. 932-939.

Dental caries: What do we know about immunity. *Nebr. Dent. J.*, 1913, p. 3-11.

The saliva and dental caries. *Dent. Cos.*, 1914, v. 56, p. 285-294.

Potassium sulphocyanate in the saliva. *Dent. Cos.*, 1914, v. 56, p. 838-846.

Dental caries. *Off. Bull. Nat. Dent. Assn.*, 1914, v. 1, No. 4, p. 16-47.

Report on the pathology of the dental pulp. *VI Int. Dent. Cong.*, 1914; *Items of Interest*, 1914, p. 726-735.

The pathology of the dental pulp. *Dent. Cos.*, 1915, v. 57, p. 143-149.

Dental caries. *J. Nat. Dent. Assn.*, 1915, v. 2, No. 3, p. 247-269.

Preventive dentistry. *Dent. Rev.*, 1916, v. 30, No. 5, p. 423-439.

Dental caries. *J. Nat. Dent. Assn.*, 1917, v. 4, No. 1, p. 81-96.

Preventive dentistry. *Dent. Cos.*, 1917, v. 59, No. 3, p. 257-263.

The effect of mouth infections upon the general health. *Dent. Cos.*, 1918, v. 60, No. 3, p. 229-232.

The tooth a permeable membrane. *J. Nat. Dent. Assn.*, 1918, v. 5, No. 5, p. 519-526.

Twelve other titles, being short reports, descriptions, discussions in *Dent. Cos.*, *Dent. Rev.*, *Dent. Sum.*, and *Dent. Disp. Rec.*

BURSLEY, Joseph Aldrich

Heat engines. Steam, gas, steam turbines, and their auxiliaries. (With John R. Allen.) 1st ed., 3rd impression, with corrections. McGraw-Hill Co., London, 1910, 157 illus., x, 288 p.

CAMP, Carl Dudley

The cause and treatment of trifacial neuralgia. *Phys. and Surg.*, 1909, v. 31, p. 337-341.

The type and distribution of sensory disturbances due to cerebral lesions. *J. Nerv. and Ment. Dis.*, 1910, v. 37, p. 17-26.

Syphilitic paralysis of the trigeminal nerve. (With Wm. G. Spiller.) *Am. J. Med. Sci.*, 1910, v. 139, p. 402-408.

The differential diagnosis of conditions causing increased intracranial pressure. *Cleveland Med. J.*, 1912, v. 11, p. 1-12.

Pernicious anemia causing spinal cord changes and a mental state resembling paresis. *Med. Rec.*, 1912, v. 83, p. 156-158.

The sensory tract in relation to the inner capsule. (With Wm. G. Spiller.) *J. Nerv. and Ment. Dis.*, 1912, v. 39, p. 92-108.

Note on the examination of the cerebrospinal fluid for arsenic following the administration of salvarsan. *J. Nerv. and Ment. Dis.*, 1912, v. 39, p. 807-811.

On treatment of "Paralysis agitans and multiple sclerosis." (In Jelleffer and White's "Treatment of nervous diseases.") Lea and Febriger, Philadelphia, 1913, v. 2, p. 650-671.

Epilepsy and paresis in railroad engineers and fireman. *J. Am. Med. Assn.*, 1913, v. 61, p. 655-659.

A contribution to the study of hereditary degeneration (pseudo-hypertrophic muscular dystrophy in combination with degeneration in the central nervous system.) *Am. J. Med. Sci.*, 1913, v. 146, p. 716-726.

Cerebral concussion, cerebral compression and brain tumor. (In *Reference Handbook of the Medical Sciences*, Ed. Stedman.) Wood & Co., New York, 1914, v. 2, p. 371-433.

Paralysis agitans syndrome with syphilis of the nervous system. *J. Nerv. and Ment. Dis.*, 1914, v. 41, p. 489-494.

The treatment of trifacial neuralgia by the injection of alcohol into the gasserian ganglion. *Med. Rec.*, 1914, v. 85, p. 1116-1119.

Facial hemiatrophy and facial hemihypertrophy. (In *Reference Handbook of the Medical Sciences*.) Wood & Co., New York, 1914, v. 4, p. 321-323.

- The treatment of syphilis of the nervous system from the biologic point of view. *Cincinnati Lancet-Clinic*, 1915, v. 113, p. 116-123.
- Some aspects of congenital syphilis affecting the nervous system. *J. Mich. State Med. Soc.*, 1915, v. 14, p. 160-164.
- Reflexes. (In *Reference Handbook of the Medical Sciences*.) Wood & Co., New York, 1917, v. 7, p. 504-507.
- Many shorter papers of neurological interest and editorials, reports, reviews, notes, etc.

CAMPBELL, Edward DeMille

- History of the Chemical Laboratory of the University of Michigan. Univ. of Mich., Ann Arbor, 1916, 163 p.
- On the volumetric estimation of uranium and vanadium. (With Charles E. Griffin.) 1909, v. 1, p. 661-665.
- On the influence of the temperature of burning on the rate of hydration of magnesium oxide. *J. Ind. Eng. Chem.*, 1909, v. 1, p. 665-668.
- On the decomposition of methylene iodide and its bearing on the constitution of steel. (With H. S. Rawdon.) *J. Am. Chem. Soc.*, 1912, v. 34, p. 1159-1168.
- Constitution of Portland cement clinker. *J. Ind. Eng. Chem.* 5, 1913, v. 5, p. 627-630.
- The effect of heat treatment on the colorimetric test for carbon in a 0.32 carbon steel. (With Frank D. Haskins.) *J. Ir. St. Inst.*, 1913, v. 88, p. 367-382.
- Synthetic celite and large crystals of tricalcic silicate. *J. Ind. Eng. Chem.*, 1914, v. 6, p. 706-710.
- A contribution to the theory of hardening and the constitution of steel. *J. Ir. St. Inst.*, 1914, v. 90, p. 1-16.
- Can the dissociation theory be applied to solid solutions in steel? *J. Am. Chem. Soc.*, 1915, v. 37, p. 2039-2046.
- On the function of ferric oxide in the formation of Portland cement clinker. *J. Ind. Eng. Chem.*, 1915, v. 7, p. 835-837.
- The formation of some basic silicates. *Tr. Am. Ceram. Soc.*, 1915, v. 17, p. 66-80.
- The influence of heat treatment on the specific resistance and chemical constitution of carbon steels. *J. Ir. St. Inst.*, 1915, v. 92, p. 164-180.

The influence of heat treatment on the thermo-electric properties and specific resistance of carbon steels. J. Ir. State Inst., 1916, v. 94, p. 268-287.

Some slow volume changes in Portland cement. J. Ind. Eng. Chem., v. 8, p. 1101-1102.

Do equiatomic solutions in iron possess equal resistances? Tr. of Faraday Soc., 1917, v. 12.

The influence of heat treatment on the electrical and thermal resistivity and thermo-electric-potential of some steels. (With W. C. Dowd.) J. Ir. St. Inst., 1917, v. 96, p. 251-266.

The formation of tri-calcic aluminate. J. Ind. and Eng. Chem., 1917, v. 9, p. 943-946.

Influence of temperature of measurement on the electrical resistivity and thermo-electromotive potential of solutes in steels. Tr. Am. Electrochem. Soc., 1917, v. 32, p. 193-214.

Other shorter papers.

CANFIELD, Arthur Graves

Coeducation and literature. Pub. Mod. Lang. Assn., 1910, v. 25, p. 66-83.

CAREY, Clifton O'Neil

Equatorial sextant. Mich. Technic, 1916, v. 29, p. 200-203.

CARHART, Henry Smith

The twentieth century engineer. Throop Col. Bull., 1910, v. 19, p. 5-17.

First principles of physics. (With H. N. Chute.) Allyn & Bacon, Boston, 1912, viii, 412 p.

Physics with applications. (With H. N. Chute.) Allyn & Bacon, Boston, 1917, viii, 469 p.

Electricity and matter. J. Elect., San Francisco, 1914, p. 244-246.

CARNEY, Robert John

Two new and very delicate tests by use of the reagent, "Tetramethyl Base." J. Am. Chem. Soc., 1912, v. 34, p. 32-35.

A new method for the determination of thorium in monazite sand. (With E. D. Campbell.) J. Am. Chem. Soc., 1914, v. 36, p. 1134-1143.

CASE, Ermine Cowles

- A revision of the cotylosauria of North America. Carnegie Inst., Washington, D. C., Pub. 145, 1911, 121 p., 52 figs.
- A revision of the amphibia and pices of the permian of North America. (With a description of permian insects by E. H. Sellards and a discussion of the fossil fishes by L. Hussakoff.) Carnegie Institution, Washington, D. C., Pub. 146, 1911, 175 p., 56 figs., 32 pl.
- Permo-carboniferous vertebrates of New Mexico. (With W. Williston and M. G. Mehl.) Carnegie Inst., Washington, D. C., Pub. 181, 1913, 81 p., 51 figs., 1 pl.
- The permocarboniferous red beds of North America and their vertebrate fauna. (With an appendix on the Brier Creek Bone Bed and its fauna.) Carnegie Inst., Washington, D. C., Pub. 207, 1915, 176 p., 50 figs., 24 pl.
- A great permian delta and its vertebrate life. (With restorations by the author.) Pop. Sci. Monthly, 1908, v. 73, p. 552-568.
- The dorsal spines of *chameleo cristatus* Stutch. Science, 1909, p. 979.
- New or little known reptiles and amphibians from the Permian of Texas. Bull. Am. Mus. Nat. Hist., 1910, v. 28, p. 163-181.
- Description of a skeleton of *dimetrodon incisivus* Cope. Bull. Am. Mus. Nat. Hist., 1910, v. 28, p. 189-196, 5 pl.
- The permo-carboniferous of northern New Mexico. (With W. Williston.) J. Geol., 1912, p. 1-12.
- A description of the skulls of *diadectes lentus* and *anomosaurus carinatus*. (With W. Williston.) Am. J. Sci., 1912, v. 33, p. 334-348.
- Paleozoic reptilia and fishes. (Part of symposium on vertebrate paleontology.) B. G. S. A., 1912, v. 23, p. 200-204.
- Restoration of *edaphosaurus cruciger* Cope. Am. Nat., 1914, p. 117-121.
- The red beds between Wichita Falls, Texas, and Las Vegas, New Mexico, in relation to their vertebrate fauna. J. Geol., 1914, v. 22, 11 figs.
- On the structure of the inner ear of two primitive reptiles. Biol. Bull., 1914, v. 27, p. 213-216.
- The geology of Limestone Mountain and Sherman Hill in Houghton Co., Michigan. Preliminary report. (With W. I. Robinson.) J. Geol., 1915, v. 23, p. 256-260.

- A mounted specimen of *dimetrodon incisivus* Cope in the University of Michigan. *Am. J. Sci.*, 1915, v. 11, p. 474-478, 6 figs.
- On a nearly complete skull of *symbos cavifrons* Leidy from Michigan. *Occas. Papers of the Mus. of Zool., Univ. of Mich.*, 1915, p. 1-3, 3 pl.
- Further evidence bearing on the age of the red beds in the Rio Grande Valley, New Mexico. *Science*, 1916, n. s. v. 44, p. 708-709.
- The environment of the amphibian fauna at Linton, Ohio. *Am. J. Sci.*, 1917, v. 44, p. 124-136.
- Notes on the possible evidence of a *pareiasaurus*-like reptile in the Conemaugh series of West Virginia. *W. Va. Geol. Sur., Braxton and Clay Co. Rep.*, 1917, p. 817-820.
- Many other papers, notes, etc.

CISSEL, James Harlan

- Transformed section analysis of reinforced concrete beams. *Eng. Rec.*, 1917, v. 75, p. 457.

COLBY, Walter Francis

- Coefficient of expansion of nickel near its critical temperature. *Phys. Rev.*, 1910, v. 30, p. 506-521.
- Signal propagation in dispersive media. *Phys. Rev.*, 1915, v. 5, p. 253-265.

COLE, Harry Newton

- Diluting solutions. *Chém. Analyst*, 1915, p. 4-6.

COOK, Charles Wilford

- A laboratory guide to the study of rocks. (With I. D. Scott.) Ann Arbor Press, Ann Arbor, 1910, 46 p, 7 figs.
- The brine and salt deposits of Michigan, their origin, distribution and exploitation. *Mich. Geol. and Biol., Lansing*, 1914, Pub. 15, Geol. Ser. 12, p. 188, 47 figs., 15 pl.
- A new occurrence of pearceite. (With F. H. Van Horn.) *Am. J. Sci.*, 1911, v. 31, p. 518-524, 1 fig.
- Summary report on the salt, cement, and limestone properties of Michigan. (To the Appraiser of mines.) *Appraisal of Mining Properties of Mich., Lansing*, 1911, 78 p.
- The salt industry of Michigan. *Mich. Geol. and Biol. Sur.*, 1912, Pub. 8, Geol. Ser. 6, p. 313-336, 1 fig., 4 pls.

- Michigan cement. Mich. Geol. and Biol. Sur., 1912, Pub. 8, Geol. Ser. 6, p. 337-354, 1 fig., 2 pls.
- Die kristallformen des jodyrits von Tonopah, Nevada. (With E. H. Kraus.) Centralbl. Min., 1913, p. 385-386.
- The crystal form of some of the hydrated halide salts of the alkali metals. Am. J. Sci., 1914, v. 38, p. 142-144, 2 figs.
- Datolite from Great Notch, New Jersey. (With E. H. Kraus.) Am. J. Sci., 1915, v. 39, p. 642-645, 2 figs.
- The influence of the lumber industry upon the salt industry of Michigan. J. Geog., 1916, v. 15, p. 117-124.
- The importance of geographic factors in the Birmingham, Alabama, iron district. J. Geog., 1918, v. 16, p. 180-184.

COOLEY, Charles Horton

- Valuation as a social process. Psych. Bull., 1912, v. 9, p. 441-450.
- The institutional character of pecuniary valuation. Am. J. Sociol., 1913, v. 18, p. 543-555.
- The sphere of pecuniary valuation. Am. J. Sociol., 1913, v. 19, p. 188-203.
- The progress of pecuniary valuation. Quar. J. Econ., 1915, v. 30, p. 1-21.
- Political economy and social process. J. Pol. Econ., 1918, v. 26, p. 366-374.
- Social control in international relations. Pub. Am. Sociol. Soc., v. 12, p. 207-216.

COWIE, David Murray

- A method for obtaining human plasma free from chemical action, its effect on phagocytosis. J. Med. Res., 1909, v. 21, p. 327-329.
- Some clinical observations on blood pressure with special reference to the effect of prostatic massage. Am. Med., 1910, v. 5, p. 632-643.
- The casuistry of chylous ascites and chylocele in sucklings and very young infants. (With report of a case.) Archiv. of Pediatrics, 1911, v. 24, p. 497-513.
- Experimental study of the food reactions in the infant's stomach compared with those in vitro. Archiv. of Pediatrics, 1911, v. 28, p. 100-119.

- Further observations on the acid control of the pylorus. (With William Lyon.) *Am. J. Child. Dis.*, 1911, v. 2, p. 252-261.
- A graphic chart method of studying and teaching the principles of infant feeding. *Am. J. Child. Dis.*, 1912, v. 4, p. 360-377.
- The significance of the pyloric reflex in true and pseudo pyloric stenosis in infants. (With Wm. Lyon.) *Am. J. Child. Dis.*, 1913, v. 5, p. 225-233.
- A rapid clinical method for the estimation of fat in infants' stools. (With W. S. Hubbard.) *Am. J. Child. Dis.*, 1913, v. 6, p. 192-199.
- Six shorter reports on clinical cases in *Mich. State Med. J.*, 1909-1913.
- Studies on the incubation period: No. 1,—serum disease. *Am. J. Child. Dis.*, 1914, v. 7, p. 253-291.
- Studies on the incubation period: No. 2,—Cow-pox disease and observations on the intradermal injection of virulent and avirulent cow-pox vaccine. *Trans. Am. Soc. Promotion of Clin. Res.*, 1913, *Boston Med. and Surg. J.*, 1914, v. 170, p. 208-209.
- Observations on the intradermal and the repeated intradermal injection of diphtheria toxin with reference to the Shick test. *Am. J. Child. Dis.*, 1916, v. 12, p. 266-289.
- The aseptic technique method in the management of a contagious hospital. *J. Mich. State Med. Soc.*, 1916, v. 15, p. 240-247.
- The calcium metabolism in a case of hemophilia. (With C. H. Laws.) *J. Child. Dis.*, 1917, v. 13, p. 236-238.
- The partition of calcium in the blood. (With H. Calhoun.) Abstract in *J. Am. Med. Assn.*, 1917, v. 69, p. 147.
- The treatment of diphtheria carriers. (Report of 125 cases of diphtheria.) *J. Mich. State Med. Soc.*, 1917, v. 16, p. 72-73.
- Six shorter reports on clinical cases in *Mich. State Med. J.*, 1909-1913.
- Articles on typhus fever, incubation period, and hirudin in *Ref. Hdbk. Med. Sci.*, 3rd ed., 1917, p. 302-309, 572-573, 573-574.

CRANE, Verner Winslow

- The Tennessee River as the road to Carolina: The beginnings of exploration and trade. *Miss. Val. Hist. Rev.*, 1916, v. 3, p. 3-18.

CRITTENDEN, Albert Robinson

The sentence structure of Virgil. Ann Arbor Press, Ann Arbor, 1911.

The teaching of high school Latin and Greek, a syllabus of methods, with a booklet of classical helps. Ann Arbor Press, Ann Arbor, 1916.

CROSS, Arthur Lyon

A history of England and Greater Britain. Macmillan Co., New York, 1914, xiii, 1165 p.

A recent history of English law. Mich. Law Rev., 1910, v. 9, p. 1-19.

Letter on the religion of sensible men. Nation, 1912, v. 94, p. 637.

Legal materials as sources for the study of modern English history. Am. Hist. Rev., 1914, v. 19, p. 751-771.

The English criminal law and benefit of clergy during the eighteenth and early nineteenth centuries. Am. Hist. Rev., 1917, v. 22, p. 544-565.

The English law courts and the revolution of 1688. Mich. Law Rev., 1917, v. 15, p. 1-23.

Communications on Palmerston and Louis Napoleon. Am. Hist. Rev., 1915, v. 21, p. 98-100.

Puritanical tendencies on the part of local authorities lay and ecclesiastical in the later Tudor and early Stuart period. Am. Hist. Rev., 1916, p. 314.

Twenty-four reviews, chiefly in Am. Hist. Rev.

CURTISS, Ralph Hamilton

Elements and ephemeris of comet a, 1910. Astr. J., 1910, v. 26, p. 94, 102, 109.

On the photographic spectrum of β Lyrae. Pub. Allegheny Obs., 1911, v. 2, p. 73-120.

Preliminary statement of the observations of Nova Geminorum made at the Observatory of the University of Michigan. Astrophys. J., 1912, v. 36, p. 233-236.

The single-prism spectrograph of the Detroit Observatory. Pub. Astr. Obs. Univ. of Mich., 1912, v. 1, p. 37-53.

The geographical position of the Observatory of the University of Michigan. Pub. Astr. Obs. Univ. of Mich., 1915, v. 1, p. 84-86.

- A determination of the visual light curve of β Lyrae. Pub. Astr. Obs. Univ. of Mich., 1915, v. 1, p. 87-103.
- Some possible characteristics of cepheid variable stars. Pub. Astr. Obs. Univ. of Mich., 1915, v. 1, p. 104-117.
- Studies of the spectra of δ and ϵ Orionis. Pub. Astr. Obs. Univ. of Mich., 1915, v. 1, p. 118-135.
- The spectrum of γ Cassiopeiae. Pub. Astr. Obs. Univ. of Mich., 1917, v. 2, p. 1-35.
- Changes in the spectrum of f' Cygni. Pub. Astr. Obs. Univ. of Mich., 1917, v. 2, p. 36-38.
- Changes in the spectrum of H. R. 985. Pub. Astr. Obs. Univ. of Mich., 1917, v. 2, p. 39-44.
- A method of binary orbit determination. Pub. Astr. Obs. Univ. of Mich., 1917, v. 2, p. 178-180.
- Reproductions of spectra. Pub. Astr. Obs. Univ. of Mich., 1917, v. 2, p. 182-184.
- The place of the class R spectra in the Harvard Sequence. Pop. Astr., 1917, v. 25, p. 279-285.
- Vibrations in the vicinity of drop forge hammers. Am. Drop Forger, 1915, v. 1, p. 10-15.
- Stellar Evolution. Sci. Am. Sup., 1917, v. 83, p. 344-345.
- The rise of navigation. Pop. Astr., 1918, v. 26, p. 1-12.

DAVIS, Calvin Olin

- Principles and plans for reorganizing secondary education. (Being Chapter 4 in high school education, ed. by Charles Hughes Johnston.) Charles Scribner's Sons, New York, 1912, p. 67-105.
- Courses (Programs) of study. (Being an analysis of the New York City high schools and contained in the report on educational aspects of the public school system of the City of New York to the committee on school inquiry of the board of estimate and apportionment.) Pt. 2, Sub. 3, Sec. A, City of New York, New York, 1912, v. 2, p. 209-296.
- Continuation work in the high school. (Being Chapter 22 in the modern high school, ed. by Charles Hughes Johnston.) Charles Scribner's Sons, New York, 1914, p. 516-546.
- High school courses of study. (School efficiency series.) World Book Co., Yonkers-on-Hudson, 1914, xi, 172 p.

- A guide to methods and observation in history. (Studies in high school observation.) Rand McNally and Co., Chicago, 1914, 5, 44 p.
- Subject-matter and administration of the six-three-three plan of secondary schools. Univ. of Mich., Ann Arbor, 1915, n. s. v. 17, p. 1-34.
- Secondary schools. (Being Chapter 11 in the school survey of Grand Rapids, Michigan, 1916.) The Bd. of Edu., Grand Rapids, 1916, p. 212-305.
- Public secondary education. Rand McNally and Co., Chicago, 1917, xiv, 270 p.
- History of the organization and administration of the Teachers Appointment Office of the University of Michigan. Sch. Rev., 1912, v. 20, p. 532-558.
- State comity regarding teachers life certificates. Am. Sch. Bd. J., 1914, v. 49, p. 11-13 and 61-63.
- Realizable educational values in history. Hist. Teach. M., 1915, v. 6, p. 167-178.
- High school standings of pupils from graded and ungraded elementary schools. Edu. Admin. Superv., 1916, v. 2, p. 159-175.
- North Central secondary schools. Sch. Rev., 1916, v. 24, p. 436-449.
- High school observational work. Sch. Rev., 1918, v. 26, p. 168-179.
- Statistical studies on various educational problems in various education journals, 1912-1918.
- Secretary's reports of the standards, statistical analyses, and tests of secondary schools accredited by the North Central Association of Colleges and Secondary Schools, 1916-1918. Ann Arbor Press, Ann Arbor, 1916, 1917, 1918.

DEKRUIF, Paul Henry

- Anaphylatoxin and anaphylaxis. Pts. 1-7. (With F. G. Novy.) See Novy, Frederick G.
- Anaphylatoxin and anaphylaxis. Pt. 8: The primary toxicity of normal serum. J. Infect. Dis., 1917, v. 20, p. 717-775.
- Anaphylatoxin and amino. Pt. 10: Nitrogen. (With W. M. German.) J. Infect. Dis., 1917, v. 20, p. 833-854.

The toxin of bacillus welchii. Pt. 1. Toxin production by various strains. (With Theodore W. Adams and Paul M. Ireland.) J. Infect. Dis., 1917, v. 21, p. 580-587.

The mechanism of infection with bacillus welchii. Pt. 2. (With Jesse L. Bollman.) J. Infect. Dis., 1917, v. 21, p. 588-599.

DEWEY, Willis Alonzo

Katechismus der reinen arzneiwirkungslehre. Zweite verbesserte und vermehrte auflage. Tr. by Dr. Med. J. Voorhoeve Dillenburg. Dr. W. Schwabe, Leipsig, 1912, 432 p.

Practical homoeopathic therapeutics. 2nd ed. rev. and enl. Boericke and Tafel, Philadelphia, 1914, 426 p.

Twelve tissue remedies of Schussler. (With William Boericke.) Boericke and Tafel, Philadelphia, 1914, 450 p.

Homoeopathy in the specialties. Univ. Homeop. Obs., 1909, v. 7, p. 193-200.

A lesson in homoeopathy. Med. Cent., 1910, v. 17, p. 21-23.

Modern scientific provings. Med. Cent., 1910, v. 17, p. 161-172.

Veratrum viride and the diplococcus pneumoniae. Med. Cent., 1910, v. 17, p. 257-259.

Some intercranial remedies. Univ. Homeop. Obs., 1910, v. 8, p. 102-108.

Homoeopathic prescribing and near homoeopathic prescribing. Med. Cent., 1911, v. 18, p. 269-273.

Some diphtheria statistics. Med. Cent., 1912, v. 19, p. 52-54.

Pneumonia and its treatment. Med. Cent., 1912, v. 19, p. 250-253.

Baptisia tinctoria. Med. Cent., 1913, v. 20, p. 166.

Therapeutics of the tuberculins. N. Am. J. Homeop., 1913, v. 61, p. 489-494.

Proving of Argallus Lamberti. Med. Cent., 1915, v. 20, p. 289-293.

Medical education in the Homoeopathic School of Medicine. U. S. Bur. of Edu., 1914, p. 219-222.

A homoeopathic "Spectator." Med. Cent., 1915, v. 22, p. 106-107.

Agraphis nutans. Ohio State Homeop. Tr.; 1916, p. 167.

Therapeutics of goitre. J. Am. Inst. of Homeop., 1916, v. 61, p. 218-250.

Silphium lancinatum. J. Am. Inst. of Homeop., 1917, v. 9, p. 218-250.

Isopathy, homoeopathy and immunity. *J. Am. Inst. of Homeop.*, 1917, v. 10, p. 660-671.

Colleges and hospitals educational report. *J. Am. Inst. of Homeop.*, 1918, v. 10, p. 1152-1169.

DIEKHOFF, Tobias J. C.

The German language. Outlines of its development. Oxford Univ. Press, New York, 1914, xxxii, 524 p.

Lessings Nathan der Weise, with introd., notes, and an appendix of parallel passages. (Rev. ed.) Am. Book Co., New York, 1915, 368 p.

The disciplinary value of modern language study. *J. Mich. Sch. Masters' Club*, 1908, p. 20-29.

Functional change of the subjunctive in German. *Sch. Rev.*, 1911, p. 624-630.

The so-called prospective or anticipatory subjunctive in Gothic. *J. Eng. and Ger. Phil.*, 1912, v. 11, p. 173-179.

DIETERLE, Robert Richard

Tubercle bacilli in the heart clots in acute miliary tuberculosis complicating chronic lymphatic-myelogenous leukaemia. *J. Infect. Dis.*, 1916, v. 19, p. 263-266.

DIXON, Robert Livingston

The effects of splenectomy upon the cell content of the thoracic duct lymph in the dog, and its relation to the action of pilocarpin. *J. Exp. Med.*, 1912, v. 15, p. 63-80.

Some observations of the thoracic duct lymph after injection of oil of turpentine into the peritoneal cavity of the dog. *J. Exp. Med.*, 1912, v. 16, p. 139-148.

DOW, Earle Wilbur

Eleven reviews of books in *Am. Hist. Rev.* and *Am. Econ. Rev.*

DOWRIE, George William

The development of banking in Illinois, 1817-1863. Univ. of Ill., Urbana, 1913, 181 p.

DRAKE, Joseph Horace

Fright without physical impact but resulting in physical injury. *Mich. Law Rev.*, 1910, v. 8, p. 44-46.

What are the rights of the vendor of goodwill? *Mich. Law Rev.*, 1911, v. 8, p. 321-323.

- Liquidated damages and estoppel by contract. Mich. Law Rev., 1911, v. 9, p. 588-594.
- Editorial preface to von Jhering's law as a means to an end. Boston Book Co., 1913, p. 25-26.
- The rule of certainty in damages and the value of a chance. Mich. Law Rev., 1913, v. 10, p. 392-395.
- "Pecote:" A bit of legal archeology. Mich. Law Rev., 1913, v. 11, p. 506-508.
- Editorial preface to Del Vecchio's formal bases of law. Boston Book Co., 1914, p. 27-28.
- Partnership entity and tenancy in partnership: The struggle for a definition. Mich. Law Rev., 1917, v. 15, p. 609-630.
- Acquirement of title by wilful trespasser. Mich. Law Rev., 1918, v. 16, p. 436-438.
- The sociological interpretation of law. Mich. Law Rev., 1918, v. 16, p. 599-616.

DURFEE, Edgar Noble

- Cases on the law of mortgages. Bobbs-Merrill Co., Indianapolis, 1915, xi, 531 p.
- The lien or equitable theory of the mortgage—some generalizations. Mich. Law Rev., 1912, v. 10, p. 587-607.
- The lien theory of the mortgage—two crucial problems. Mich. Law Rev., 1913, v. 11, p. 495-505.
- Equity in rem. Mich. Law Rev., 1916, v. 14, p. 219-227.
- Recovery of money paid under duress of legal proceedings in Michigan—Welch v. Beeching. Mich. Law Rev., 1917, v. 15, p. 228-239.

EDMUNDS, Charles Wallis

- Laboratory guide in experimental pharmacology. (With A. R. Cushny.) 2nd enl. ed., George Wahr, Ann Arbor, 1918, 331 p.
- Further study of the relation of the adrenals to pancreatic activity. J. Pharm. and Exp. Therap., 1911, v. 2, p. 559-579.
- Physiological standardization of ergot. (With Worth Hale.) Hygienic Lab. Bull., 1911, No. 76, p. 58.
- The action of the protein poison on dogs, a study in anaphylaxis. Zeit. Immunitätsforsch Exp. Therap., 1913, Bd. 17, p. 105-134.

Physiological studies in anaphylaxis. *Zeit. Immunitätsforsch. Exp. Therap.*, 1914, Bd. 22, p. 181-198.

Some vasomotor reactions of the liver. *J. Pharm. and Exp. Therap.*, 1915, v. 6, p. 569-590.

Further studies in nicotine tolerance. (With M. I. Smith.) *J. Lab. and Clin. Med.*, 1915, v. 1, p. 3-8.

Section on "Biological assays." *U. S. Pharmacopoeia*, 1916. 9th Rev., p. 604-609.

EHLERS, John Henry

The temperature of leaves of pinus in winter. *Am. J. Bot.*, 1915, v. 2, p. 32-70.

ELLIOTT, Joseph A.

A study of splenic enlargement in early syphilis. (With Udo J. Wile.) *Am. J. Med. Sci.*, 1915, v. 150, p. 512.

Elephantiasis nostos. (Review of the subject with report of a case.) *J. Cut. Dis.*, 1917, v. 35, p. 17-25.

Mode of absorption of mercury in the inunction treatment of syphilis. (With Udo J. Wile.) *J. Am. Med. Assn.*, 1917, v. 68, p. 1024-1028.

A new and delicate method for the detection of mercury. *J. Am. Med. Assn.*, 1917, v. 68, p. 1693-1694.

Further studies on the mode of absorption of mercury in the inunction treatment of syphilis. (With Udo J. Wile.) *J. Cut. Dis.*, 1917, v. 35, p. 594-597.

EMSWILER, John Edward

Design of riveted joints for boilers. *Mich. Tech.*, 1910, v. 22, p. 6-13.

Flow of steam through nozzles. *Mich. Tech.*, 1911, v. 24, p. 50-57.

Experiments on the flow of steam through nozzles. (With C. H. Fessenden.) *Mich. Tech.*, 1912, v. 25, p. 89-96.

Effect of moisture on the amount of steam delivered by a nozzle. *Mich. Tech.*, 1915, v. 28, p. 21-23.

Some peculiarities of air flowing in round ducts. *Mich. Tech.*, 1915, v. 28, p. 204-206.

Coefficient of friction of air flowing in round galvanized iron ducts. *J. Am. Soc. Heat. and Vent. Eng.*, 1916, v. 22, p. 50-54.

Measurement of low pressure steam used for heating the buildings of the University of Michigan. *J. Am. Soc. Heat. and Vent. Eng.*, 1917, v. 23, p. 569-576.

Tests of a small engine-generator set. *Mich. Tech.*, 1917, v. 30, p. 214-217.

FERGUSON, Alfred Lynn

Free energy of dilution of hydrochloric acid. (With R. C. Tolman.) *J. Am. Chem. Soc.*, 1912, v. 32, p. 232-246.

Activity and concentration, transport numbers, and bounding potential. *J. Phys. Chem.*, 1916, v. 20, p. 326-351.

Chemistry in high school as preparation for chemistry in the university. *J. Mich. Sch. Masters' Club*, 1917, p. 31-39.

FESSENDEN, Charles Horace

Valve gears. McGraw-Hill Book Co., New York, 1915, vii, 170 p.

Comparison of water tube boilers. *Mich. Tech.*, 1909, v. 22, p. 26-32.

Experiments on the flow of steam through nozzles. (With J. E. Emswiler.) *Mich. Tech.*, 1912, v. 25, p. 89-96.

FIELD, Peter

Introduction to analytical mechanics. (With A. Ziwet.) Macmillan Co., New York, 1912, ix, 378 p.

On the circuits of a plane curve. II. *Math. Ann.*, 1910, v. 69, p. 218-222.

Note on reciprocal figures in space. *Bull. Am. Math. Soc.*, 1911, v. 17, p. 347-350.

On the motion of a rotating disc with three supports on a rough plane. *Phys. Rev.*, 1912, v. 35, p. 177-184.

On Conlomb's laws of friction. *Zs. Math.*, 1913, v. 61, p. 68-74.

On constrained motion. *Zs. Math.*, 1914, v. 62, p. 309-319.

On constrained motion. *Am. J. Math.*, 1914, v. 36, p. 21-30.

On plane motion. (With A. Ziwet.) *Am. Math. Monthly*, 1914, v. 21, p. 105-113.

A problem in the kinematics of a rigid body. *Bull. Am. Math. Soc.*, 1915, v. 22, p. 112-125.

The accelerations of the points of a rigid body. (With A. Ziwet.) *Am. Math. Monthly*, 1916, v. 23, p. 371-381.

FINNEY, Byron Alfred

Development of libraries in Michigan. Mich. Lib., 1911, v. 1, p. 1-3.

Will Carleton, Michigan's poet. Mich. Hist. Coll., 1915, v. 39, p. 189-203.

FLOREY, Warren Washburn

Baumbach, Rudolf. Der Schwiegersohn. Ed. with notes, German questions, English exercises and vocabulary. (With E. H. Lauer.) Allyn and Bacon, Boston, 1910, 260 p.

v. Wildenbruch Ernst. Das edle blut and der letzte. Ed. with notes. German questions with vocabulary. (With M. R. Shelly.) Allyn and Bacon, Boston, 1912, 232 p.

Freussen Gustav. Jörn uhl. Ed. with introd. notes and word list. D. C. Heath and Co., Boston, 1914, xix, 317 p.

Luther's use of the pre-Lutheran versions of the Bible (Article I). George Wahr, Ann Arbor, 1912, 52 p.

Liberty writings of Dr. Herman Kiefer. G. E. Stechert and Co., New York, 1917, x, 513 p.

German liberty authors. Richard G. Badger, Boston, 1918, 109 p.
Revolution of 1848 (Dr. Herman Kiefer). Richard G. Badger, Boston, 1918, 136 p.

Die wichtigkeit der neuen deutschen erziehung für Amerika. Monatshefte, 1910, v. 11, No. 8.

The declension of substantives in the Zerbst handschrift. Pub. Mod. Lang. Assn. of Am., 1911, v. 26, p. 321-334.

Concentration. Monatshefte, 1912, v. 13, p. 231-235.

Luther's attitude toward language study. Monatshefte, 1917, v. 18, Nos. 5-6.

Modern elements in Luther's educational writings. Monatshefte, 1917, v. 18, No. 9.

FORD, Walter Burton

Plane and solid geometry. (With Chas. Ammerman.) Macmillan Co., 1915, ix, 321 p., tables.

Studies on divergent series and summability; with bibliography. Univ. of Mich. Publ., Sci. Ser., v. 2, 1916, ix, 194 p.

On the determination of the asymptotic developments of a given function. Ann. of Math., 1910, v. 2, p. 115-127.

The teaching of the calculus. Am. Math. Monthly, 1910, v. iv, p. 77-81.

- A theorem on the analytic extension of power series. Am. Math. Soc. Bull., 1910, v. 16, p. 507-510.
- The fourth dimension. Mich. Tech., 1910, v. 23, p. 42-46.
- On the relation between the sum-formulae of Hölder and Cesàro. Am. J. Math., 1910, v. 32, p. 315-326.
- Conditions suffisantes pour qu'une fonction admette un développement asymptotique. Bull. Soc. math. France, 1911, v. 39, p. 347-353.
- The future of geometry. Sch. Sci. and Math., 1914, v. 14, p. 485-490.
- On the representation of arbitrary functions by definite integrals. Am. J. Math., 1916, v. 38, p. 397-406.

FORSYTHE, Warren Ellsworth

- Resistance of trypsin to high temperatures. Mich. Acad. Sci., 1911, 13th Rep.
- Two years experience in college health work. J. Sociol. Med. 1917.
- Three other articles on health service in colleges.

GAIGE, Frederick McMahon

- Description of a new subspecies of *pogonomyrmex occidentalis* from Nevada. Proc. Biol. Soc. of Washington, v. 27, p. 93-96.
- Birds of Dickinson County, Michigan. 16th Rep., Mich. Acad. Sci., p. 74-91.
- The formicidae of Charity Island, Lake Huron. Occas. Papers, Mus. of Zool., Univ. of Mich., No. 5.
- The formicidae of the Shiras expedition to Whitefish Point, Michigan. Occas. Papers, Mus. of Zool., Univ. of Mich., No. 25.

GARDNER, Max William

- The relative prevalence of pycnospores and ascospores of the chestnut-blight fungus during the winter. (With F. D. Heald.) Phytopathology, 1913, v. 3, 296-305.
- Longevity of pycnospores of the chestnut-blight fungus in soil. (With F. D. Heald.) J. Agr. Res., 1914, v. 2, p. 67-75.
- Air and wind dissemination of ascospores of the chestnut-blight fungus. (With F. D. Heald and R. A. Studhalter.) J. Agr. Res., 1915, v. 3, p. 493-526.

Seed treatment control and overwintering of cucumber angular leaf-spot. (With W. W. Gilbert.) *Phytopathology*, 1918, v. 8, 229-233.

GILBERT, Quinlin Olin

The occurrence of nuclear changes in the red blood cells following splenectomy. *Archiv. Int. Med.*, 1917, v. 19, p. 140-152.

GINGERICH, Solomon Francis

Wordsworth, Tennyson, and Browning: A study in human freedom. George Wahr, Ann Arbor, 1911, 264 p.

GLASER, Otto Charles

The formation of habits at high speed. *J. Comp. Neurol. and Psych.*, 1910, v. 20, p. 165-184.

The nematocysts of eolids. *J. Exp. Zool.*, 1910, v. 9, p. 117-142.

A simple cooler for use with the microtome. (With Caswell Grave.) *Biol. Bul.*, 1910, v. 19, p. 240-242.

Die entwicklungsarbeit im fundulusei. *Biochem. Zeit.*, v. 44, p. 180-184.

Note on the development of amphibian larvae in sea-water. *Science*, 1912, v. 36, p. 678-681.

Reflections on the autonomy of biological science. *Am. Nat.*, 1912, v. 46, p. 712-728.

On the origin of double-yolked eggs. *Biol. Bull.*, 1912, v. 24, p. 175-186.

On inducing development in the sea-urchin (*Arbacia punctulata*), together with considerations on the initiatory effect of fertilization. *Science*, 1913, v. 38, p. 446-450.

The change in volume of *arbacia* and *asterias* eggs at fertilization. *Biol. Bull.*, 1914, v. 26, p. 84-91.

A qualitative analysis of the egg-secretions and extracts of *arbacia* and *asterias*. *Biol. Bull.*, 1914, p. 367-389.

On autoparthenogenesis in *arbacia* and *asterias*. *Biol. Bull.*, 1914, p. 390-409.

On the mechanism of morphological differentiation in the nervous system. The transformation of a neural plate into a neural tube. *Anat. Rec.*, 1914, v. 12, p. 525-551.

Can a single spermatozoon initiate development in *arbacia*? *Biol. Bull.*, 1915, v. 28, p. 149-153.

The basis of individuality in organisms. *Science*, 1916, v. 44, p. 219-224.

The theory of autonomous folding in embryogenesis. *Science*, 1916, v. 44, p. 505-509.

On the mechanism of morphological differentiation in the nervous system. II. The relation between compression and the development of a series of vesicles. *Anat. Rec.*, 1917, v. 12, p. 195-213.

Twenty-five articles of somewhat popular character.

GLEASON, Henry Allan

The plants of Michigan. Simple keys for the identification of the native seed plants of the State. George Wahr, Ann Arbor, 1918, v. 158 p.

Some unsolved problems of the prairies. *Bull. Torrey Bot. Club*, 1909, v. 36, p. 265-271.

The vegetational history of a river dune. *Tr. Ill. State Acad. Sci.*, 1909, v. 2, p. 19-26.

The vegetation of the inland sand deposits of Illinois. *Bull. Ill. State Acad. Sci.*, 1910, v. 9, p. 21-174, pl. 1-20.

An isolated prairie grove and its phytogeographical significance. *Bot. Gaz.*, 1912, v. 53, p. 38-49, fig. 1-2.

A comparison of the rates of evaporation in certain associations in central Illinois. (With Frank Caleb Gates.) *Bot. Gaz.*, 1912, v. 53, p. 478-491, fig. 1-6.

The biological station of the University of Michigan. *School Sci. and Math.*, 1913, v. 13, p. 411-415.

Studies on the West Indian *Vernonieae*, with one new species from Mexico. *Bull. Torrey Club*, 1913, v. 40, p. 305-322.

The relation of forest distribution and prairie fires in the Middle West. *Torrey*, 1913, v. 13, 173-181.

Some interesting plants from the vicinity of Douglas Lake. *Ann. Rep. Mich. Acad. Sci.*, 1913, v. 15, p. 147-149.

The introduced vegetation in the vicinity of Douglas Lake, Michigan. (With F. T. McFarland.) *Bull. Torrey Club*, 1914, v. 41, p. 511-521.

Botanical sketches from the Asiatic Tropics. *Torrey*, 1915, v. 15, p. 93-101, 117-133, 139-153, 161-175, 187-202, 233-244; 1916, v. 16, 1-17, 33-45, figs. 1-37.

Some effects of excessive heat in northern Michigan. *Torrey*, 1917, v. 17, p. 176-178.

- The structure and development of the plant association. Bull. Torrey Club, 1917, v. 44, p. 463-481.
- A prairie near Ann Arbor, Michigan. Rhodora, 1917, v. 19, p. 163-165.
- The local distribution of introduced species near Douglas Lake, Michigan. Torrey, 1918, v. 18, p. 81-89.

GLOVER, James Waterman

- Highway bonds: a compilation of data and an analysis of economic features affecting construction and maintenance of highways financed by bond issues, and the theory of highway bond calculations. (With Laurence I. Hewes.) Gov. Ptg., Washington, 1915, Professional paper, 136 p., 9 pls., 37 tables, including 6 interest tables. Bull. U. S. Dept. Agr., No. 136, Office of Pub. Roads.
- Same. Rev., 1917, 78 p., 9 pl., 27 tables, including 6 interest tables.
- United States life tables: 1910. Gov. Ptg., Washington, 1916, 65 p., 25 life tables. U. S. Dep. of Comm., Bur. of the Cen.
- A study of tuberculosis in the United States based on the returns of the twelfth census, with some special applications to the State of Michigan. J. Mich. State Med. Soc., 1909, v. 8, p. 66-77.
- A study of tuberculosis in the United States based on the returns of the twelfth census, with special reference to the cost of tuberculosis to the state and city of New York and the effect of tuberculosis on life insurance premiums. Spectator, Life Ins. Sup., 1909, v. 82, p. 21-23.
- The present value of agents' renewals. Ins. News, 1910, v. 32, p. 7-8.
- Derivation of the United States mortality table by osculatory interpolation. Registration states, 12th census. Quar. Pub. Am. Statist. Assn., 1910, n. s. v. 12, p. 85-109.
- A comparison of the effect of typhoid fever and tuberculosis on the mortality table and life insurance premiums. Ins. News, 1911, v. 33, p. 1-2.
- The cost of infectious diseases. Tr. Am. Hospital Assn., 14th Ann. Conf., 1912, v. 14, p. 94-102.
- A general formula for the valuation of securities. Am. Math. Monthly, 1915, v. 22, p. 82-88.

The New United States life tables, their purpose and what they show. *Am. J. Pub. Health*, 1916, v. 6, p. 1298-1902.

Some formulas connected with the calculation of annual dividends on the contribution plan. *Rec. Am. Inst. of Actuaries*, 1916, v. 5, p. 37-43.

GODDARD, Edwin Charles

Cases on principal and agent. West Publishing Co., St. Paul, 1914, xxiii, 879 p.

Principal and agent. *Cyc. of Law and Proc.*, 1909, v. 31, p. 1175-1681.

The common carrier's liability. *Mich. Law Rev.*, 1910, v. 8, p. 531-554.

Limitation of the amount of the common carrier's liability. *Mich. Law Rev.*, 1911 and 1912, v. 9, p. 233-237 and v. 10, p. 317-318.

The law in its relation to religion and morals. *Hartford Seminary Rec.*, 1911, v. 21, p. 156-179.

The effect of the Carmack amendment upon state laws. *Mich. Law Rev.*, 1913, v. 11, p. 460-465.

The effect of the Carmack amendment upon limitation by common carriers of the amount of their liability. *Mich. Law Rev.*, 1913, v. 11, p. 588-619.

Limitation of the amount of a carrier's liability for loss of goods. *Mich. Law Rev.*, 1915, v. 13, p. 590-592.

The liability of the common carrier as determined by the recent decisions of the United States Supreme Court. *Columbia Law Rev.*, 1915, v. 15, p. 399-416, 475-488.

The commodity clause of the Hepburn act. *Mich. Law Rev.*, 1915, v. 14, p. 49-52.

Public utility valuation. *Mich. Law Rev.*, 1917, v. 15, p. 205-227.

Admission to the bar. *Mich. Law Rev.*, 1918, v. 16, p. 217-231.

Intrastate rates. *Mich. Law Rev.*, 1918, v. 16, p. 379-382.

Public utility valuation. *Mich. Law Rev.*, 1918, v. 16, p. 438-440.

GOMBERG, Moses

Ueber triphenylmethyl (XVIII Mitteilung) Zur kenntniss der chinocarboniumsalze. (With L. H. Cone. Experimental work in small part by O. B. Winter.) *Ann.*, 1909, No. 370, p. 142-208. Berichtigung to XVIII Mitteilung above *Ann.*, 1910, No. 371, p. 388-389.

- Ueber triphenylmethyl (XIX Mitteilung). Zur kenntnis der chinocarboniumsalze. (With L. H. Cone. Experimental work in part with L. P. Kyriakides.) *Ann.*, 1910, No. 376, p. 183-238.
- On triphenylmethyl (Paper XX). (With D. D. Van Slyke.) *J. Am. Chem. Soc.*, 1911, v. 33, p. 531-549.
- The action of halogen acids upon the oxyaryl-xanthenols. (Preliminary paper.) (With C. J. West.) *J. Am. Chem. Soc.*, 1911, v. 33, p. 1211-1213.
- On triphenylmethyl XXI. Quinocarbonium salts of the hydroxy-xanthenols. (With C. J. West.) *J. Am. Chem. Soc.*, 1912, v. 34, p. 1529-1569.
- Triphenylmethyl XXII. Ethers or oxides in the triphenylmethane series. *J. Am. Chem. Soc.*, 1913, v. 35, p. 200-210.
- Ueber triphenylmethyl-oxyd. *Ber.*, 1913, v. 46, p. 225-228.
- Thiophene analogs of triphenylmethyl. (Preliminary note.) (With R. L. Jickling.) *J. Am. Chem. Soc.*, 1913, v. 35, p. 446-447.
- On triphenylmethyl XXIII. Tautomerism of the hydroxy-triphenyl carbinols. *J. Am. Chem. Soc.*, 1913, v. 35, p. 1035-1042.
- The existence of free radicals. *J. Am. Chem. Soc.*, 1914, v. 36, p. 1144-1170.
- Triphenylmethyl XXIV. The additive compounds of triphenylmethyl and some saturated hydrocarbons. (With C. S. Schoepfle.) *J. Am. Chem. Soc.*, 1915, v. 37, p. 2569-2574.
- Triphenylmethyl XXV. Preparation of p-hydroxy-triphenyl carbinol and attempts to isolate the corresponding triaryl methyl. (With R. L. Jickling.) *J. Am. Chem. Soc.*, 1915 v. 37, p. 2575-2591.
- Triphenylmethyl XXVI. Tautomerism of triarylcarbinols. (With N. E. VanStone.) *J. Am. Chem. Soc.*, 1916, v. 38, p. 1577-1606.
- The molecular weights of the triarylmethyls. (With C. S. Schoepfle.) *Proc. Nat. Acad. Sci., U. S. A.*, 1917, v. 3, p. 457-464.
- Triphenylmethyl XXVII. The molecular weights of triaryl-methyls. (With C. S. Schoepfle.) *J. Am. Chem. Soc.*, 1917, v. 39, p. 1652-1674.

- Triphenylmethyl XXVIII. Tautomerism of the triarylcabinols.
(With L. C. Johnson.) J. Am. Chem. Soc., 1917, v. 39, p.
1674-1688.
- Tetraphenylmethane. (With Oliver Kamm.) J. Am. Chem.
Soc., 1917, v. 39, p. 2009-2015.
- 4-4'-Dimethylbenzophenone and its condensation with phenol.
(With J. P. Todd.) J. Am. Chem. Soc., 1917, v. 39, p. 2392-
2397.

GREINER, Anton Friedrich

- Critical review of the different phases of the evolution and the
history of the internal combustion engine. Mich. Tech.,
1914, v. 27, 40 p.
- The internal combustion engine. Enc. Am., 1917.
- Critical review of the history of the gas turbine. Mich. Tech.,
1918, p. 1-20.

GUILD, Stacy Rufus

- Observations on the peripheral distribution of the nervus ter-
minalis in mammalia. (With G. Carl Huber.) Anat. Rec.,
1913, v. 7, p. 253-272.
- Observations on the histogenesis of protoplasmic processes and of
collaterals, terminating in end bulbs, of the neurones of
peripheral sensory ganglia. (With G. Carl Huber.) Anat.
Rec., 1913, v. 7, p. 331-353.
- War deafness and its prevention: A critical review, v. 2, p. 849-861.
A report of tests upon eight preventives, v. 3, p. 226-237.
A report of further tests upon preventives, v. 3, p. 338-343.
J. Lab. and Clin. Med., 1917 and 1918.
- The otopathies of war; with especial reference to the traumas
due to air waves. Int. Assn. Med. Mus., 1918, Bull. 7, p.
225-245.

HALE, William Jay

- The calculations of general chemistry. D. van Nostrand Co.
New York, 1909, xi, 174 p.
- A laboratory manual of general chemistry. Macmillan Co., New
York, 1917, xi, 237 p.
- The constitution of dehydroacetic acid. J. Am. Chem. Soc., 1911,
v. 33, 1119-1135.

- The formation of pyrimidines by use of nitromalonic aldehyde. (With Harvey C. Brill.) J. Am. Chem. Soc., 1912, v. 34, p. 82-94.
- The formation of metathiazines from thiourea. (With Harvey C. Brill.) J. Am. Chem. Soc., 1912, v. 34, p. 295-300.
- Das verhalten des acetonyl-acetons gegen β -dialdehyde. Ber., 1912, v. 45, p. 1596-1603.
- Parabrombenzoyl-acetic ester. (With Lambert Thorp.) Tr. 8th Int. Cong. Appl. Chem., 1912, v. 6, p. 132-137.
- Studies in the cyclopentadiene series (I). 2,3-diacetyl-5-nitro-cyclopentadiene. (With Lambert Thorp.) J. Am. Chem. Soc., 1912, v. 34, p. 1680-1590.
- Studies in the cyclopentadiene series (II). 2,3-dibenzoyl-5-nitrocyclopentadiene. (With Lambert Thorp.) J. Am. Chem. Soc., 1913, v. 35, p. 68-75.
- Studies in the cyclopentadiene series (III). Certain derivatives of 2,3-dibenzoyl-5-nitrocyclopentadiene. (With Lambert Thorp.) J. Am. Chem. Soc., 1913, v. 35, p. 262-272.
- The constitution of acetylacetone-urea. J. Am. Chem. Soc., 1914, v. 36, p. 104-115.
- The constitution of acetylacetone-thiourea. (With Arthur G. Williams.) J. Am. Chem. Soc., 1915, v. 38, p. 594-600.
- The constitution of the so-called dithiourimidoacetylacetone. J. Am. Chem. Soc., 1915, v. 37, p. 1544-1552.
- The constitution of the nitro- α -carbopyrrolic acids. (With Wm. V. Hoyt.) J. Am. Chem. Soc., 1915, v. 37, p. 2538-2552.
- The constitution of the three symmetrical dinitropyrocolls. (With Wm. V. Hoyt.) J. Am. Chem. Soc., 1916, v. 38, p. 1065-1071.
- Studies in the cyclopentadiene series (IV). The formation of cyclopentadienodihydropyridazines. J. Am. Chem. Soc., 1916, v. 38, p. 2535-2545.

HALL, Arthur Graham

- Double marking systems, for quantity and quality. Proc. of the Am. Assn. Col. Reg., 1917.

HARRINGTON, Elmer Adna

- Dielectric constant of aqueous solutions. Phys. Rev., 1916.

HIGBIE, Henry Harold

- Alternating current electricity. First course. (With W. H. Timbie.) John Wiley and Sons, New York, 1915, x, 534 p., 389 figs.
- Alternating current electricity. Second course. (With W. H. Timbie.) John Wiley and Sons, New York, 1916, ix, 729 p., 297 figs.
- What is best in engineering education. A pamphlet published by Tau Beta Pi Assn., 1916, 107 p. Rev. and condensed in Bull. Soc., Prom. Eng. Edu., 1917, v. 7, p. 491-504.
- Design of illumination for interiors. Mich. Tech., 1911, p. 64-101.
- Competitive economy test of Tungsten-filament lamps. Elec. Rev. and Western Electrician, 1915, p. 1201-1207.
- Studies in problem design. Bull. Soc. Prom. Eng. Edu., 1914, v. 4, p. 50-68.
- Formulae of electrical engineering in Waterbury's handbook of mathematics for engineers. Wiley and Sons, New York, 1918, p. 124-153.

HILDEBRANDT, Theophil Henry

- A contribution to the foundations of Fréchet's calcul fonctionnel. Am. J. Math., 1912, v. 34, p. 237-290.
- Necessary and sufficient condition for the interchange of limit and summation in the case of sequences of infinite series of a certain type. Ann. Math., 1912, v. 14, 2nd ser., p. 81-83.
- On a generalization of a theorem of Dini on sequences of continuous functions. Bull. Am. Math. Soc., 1914, v. 21, 2nd ser., p. 113-115.
- On a theory of linear differential equations in general analysis. Tr. Am. Math. Soc., 1917, v. 18, p. 73-96.
- On integrals related to and extensions of the Lebesgue integral. Bull. Am. Math. Soc., 1917-1918, v. 24, 2nd ser., p. 113-144, 177-202.
- n boundary value problems in linear differential equations in general analysis. Tr. Am. Math. Soc., 1918, v. 19, p. 97-109.

HOBBS, William Herbert

- Erdbeben, eine einföhrung in die erdbebenkunde, erweiterte ausgabe in deutscher uebersetzung von Professor Dr. Julius Ruska. Leipzig, 1910, xxii, 274 p.

- Characteristics of existing glaciers. Macmillan Co., New York, 1911, xxiv, 301 p.
- Earth features and their meaning, an introduction to geology for the student and the general reader. Macmillan Co., New York, 1912, xxxix, 506 p., 24 pls.
- The Messina earthquake. Bull. Am. Geog. Soc., 1909, v. 61, p. 409-422, 2 pls., 4 figs.
- Construction in earthquake countries. Eng. Mag., 1909, v. 37, p. 929-947, 6 figs.
- Apparatus for instruction in geography and structural geology. III, the interpretation of geologic maps. School Sci. and Math., 1909, v. 9, p. 644-653, 6 figs.
- The cycle of mountain glaciation. Geog. J., 1910, v. 36, p. 146-163, 268-284, 11 pls., 15 figs.
- Soil stripes in cold humid regions and a kindred phenomenon. 12th Rep. Mich. Acad. Sci., 1910, p. 51-53, 2 pls.
- The earthquake of 1872 in the Owens Valley, California. Beiträge zur Geophysik, 1910, v. 10, p. 352-385, 13 pls., 5 figs.
- Characteristics of the inland ice of the Arctic regions. Proc. Am. Phil. Soc., 1910, v. 49, p. 57-129, 5 pls., 43 figs.
- A study of the damage to bridges during earthquakes. Comptes rendus de 9me Congrès Int. de Géographie, Geneva, 1910, v. 2, p. 214-219, 2 figs.
- The ice masses on and about the Antarctic continent. Zeit. Gletscherk, 1910, v. 5, p. 36-73, 87-122, 42 figs.
- Requisite conditions for the formation of ice ramparts. J. of Geol., 1911, v. 19, p. 157-160, 1. fig.
- Repeating patterns in the relief and in the structure of the land. Bull. Geol. Soc. Am., 1911, v. 22, p. 123-176, 6 pls., 44 figs.
- The Pleistocene glaciation of North America viewed in the light of our knowledge of existing continental glaciers. Bull. Am. Geog. Soc., 1911, v. 43, p. 641-659, 9 figs.
- The late glacial and post-glacial uplift of the Michigan basin: Earthquakes in Michigan. Mich. Geol. and Biol. Surv., 1911, Pub. 5 (Geol. Ser. 3), p. 1-96, 3 pls., 52 figs.
- Variations in composition of pelitic sediments in relation to magmatic differentiation. Comptes-Rendus de la Congres geologique int., XIIe Sess., Stockholm, 1913, p. 241-246.
- Some considerations concerning the place and origin of lava maculae. Beiträge zur Geophysik, Leipzig, 1913, v. 12, p. 329-361, 8 figs.

- Machanics of formation of Arcuate Mountains. *J. of Geol.*, 1914, v. 22, p. 71-208, 39 figs.
- The Maltese Islands: A tectonic-topographic study. *Scottish Geog. Mag.*, 1914, v. 30, p. 1-13, 1 pl., 14 figs.
- Simple directions for the determination of the common minerals and rocks. A laboratory course in general geology. Macmillan Co., New York, 1914, 31 p., 7 figs.
- The rôle of the glacial anticyclone in the air circulation of the globe. *Proc. Am. Phil. Soc.*, 1915, v. 54, p. 185-225, 11 figs.
- The Ferrel doctrine of polar calms and its disproof in recent observations, a paper presented before the second Pan American Scientific Congress, Washington, D. C., December 27, 1915, January 8, 1916. *Proc. 2nd Pan Am. Sci. Cong. (Astr., Meteor. and Seis.)*, 1916, p. 1-9.
- Assumptions involved in the doctrine of isotatic compensation. With a note on Hecker's determination of gravity at sea. *J. of Geol.*, 1916, v. 24, p. 690-717, 4 figs.
- The making of scientific theories. 19th Rep. Mich. Acad. Sci., 1917, p. 19-32.
- A pilgrimage in Northeastern Africa, with studies of desert conditions. *Geog. Rev.*, 1917, v. 3, p. 337-355, 12 figs.
- The erosional and degradational processes of deserts, with especial reference to the origin of desert depressions. *Ann. Assn. Am. Geog.*, 1918, v. 7, p. 25-60, 12 pls.
- The peculiar weathering processes of desert regions with illustrations from Egypt and the Soudan. 20th Rep., Mich. Acad. Sci., 1918, p. 93-99, 4 pls.
- Many other papers, reviews, abstracts, addresses, reports, etc., including numerous contributions to the literature of the war.

HOLBROOK, Evans

- Cases on the law of bankruptcy. (With Ralph W. Aigler.) Callaghan & Co., Chicago, 1915, vi, 764 p.
- Discharge in bankruptcy of principal's inchoate obligation to indemnify his surety. *Mich. Law Rev.*, 1915, v. 13, p. 500-503.
- When is a preferential transfer required to be recorded? *Mich. Law Rev.*, 1916, v. 14, p. 578-582.
- Execution sales as preferential transfers in bankruptcy. *Mich. Law Rev.*, 1917, v. 16, p. 115-119.
- Insurance policies as assets in bankruptcy. *Mich. Law Rev.*, 1918, v. 16, p. 187-189.

When is a preferential transfer required to be recorded? *Mich. Law Rev.*, 1918, v. 16, p. 258-260.

The federal bankruptcy act and its effect on state insolvency laws. *Mich. Law Rev.*, 1918, v. 16, p. 540-543.

HOLLISTER, Richard Dennis Teall

Speech Making. George Wahr, Ann Arbor, 1918, xvi, 386 p.

Effective declamation. *Pub. Sp. Rev.*, v. 3, p. 15.

The beginning course in oratory at the University of Michigan. *Quar. J. Pub. Sp.*, 1917, v. 3, p. 172-173.

Faculty judging. *Quar. J. Pub. Sp.*, 1917, v. 3, p. 235-241.

Common faults in college orations. *Quar. J. Sp. Edu.*, 1918, v. 4, p. 311-323.

HOPKINS, Louis Allen

Analytic geometry and principles of algebra. (With A. Ziwet.) Macmillan Co., New York, 1913, viii, 369 p.

Elements of analytic geometry. (With A. Ziwet.) Macmillan Co., New York, 1916, vi, 280 p.

On the theory of the motion of the small planets with a periodic orbit for the Hilda type. *Astr. J.*, 1915, Nos. 683, 684.

HUBER, G. Carl

The morphology and structure of the mammalian renal tubule. Harvey Lectures, J. B. Lippincott Co., Philadelphia, 1909-1910, p. 100-149.

A method for isolating the renal tubules of mammalia. *Anat. Rec.*, 1911, v. 5, p. 187-194.

On the relation of the chorda dorsalis to the anlage of the pharyngeal bursa or median pharyngeal recess. *Anat. Rec.*, 1912, v. 6, p. 373-404.

The morphology of the sympathetic system. *Folia Neuro-Biologica*, 1913, v. 7, p. 616-639.

The morphology of seminiferous tubules of mammalia. (With George M. Curtis.) *Anat. Rec.*, 1913, v. 7, p. 207-219.

Observations on the histogenesis of protoplasmic process and collaterals, terminating in end bulbs, of the neurones of peripheral sensory ganglia. (With Stacy R. Guild.) *Anat. Rec.*, 1913, v. 7, p. 331-353.

The development of the albino rat, *mus Norvegicus albinus*. *Memoir of the Wistar Institute. J. Morphol.*, 1915, v. 26, p. 1-142.

- On the form and arrangement in fasciculi of striated voluntary muscle fibers. *Anat. Rec.*, v. 11, p. 149-168, 4 figs.
- A note on the structure of the elastica interna of arteries. *Anat. Rec.*, 1916, v. 11, p. 169-175.
- A note on the morphology of the seminiferous tubules of birds. *Anat. Rec.*, 1916, v. 11, p. 177-180.
- Operative treatment of peripheral nerves after severance. *J. Lab. and Clin. Med.*, 1917, v. 2, p. 837-848, 9 figs.
- On the morphology of the renal tubule of vertebrates. *Anat. Rec.*, 1917, v. 13, p. 305-339, 22 figs.
- On the morphogenesis of the papilla foliata of the rabbit. (With A. H. Eggerth.) *Anat. Rec.*, 1917, v. 13, p. 341-357, 6 figs.
- Franklin Paine Mall, 1862-1917. *Anat. Rec.*, 1918, v. 14, p. 1-17.
- On the anlage and morphogenesis of the chorda dorsalis in mammalia. *Anat. Rec.*, 1918, v. 14, p. 217-264, 14 figs.

HUMPHREYS, Wilbur Ray

- The literary study of the Bible in Michigan high schools. *Moderator-Topics*, 1917, v. 37, p. 407-410.

HUNT, Walter Fred

- Tables for the determination of minerals by means of their physical properties, occurrences, and associates. (With E. H. Kraus.) McGraw-Hill Book Co., New York, 1911, 254 p.
- Cerussite twins from the Begona mine, Cerro de San Pedro, San Luis Potosi, Mexico. (With F. R. Van Horn.) *Am. J. Sci.*, 1911, v. 32, 4th ser., p. 45-48.
- Triplite from Eastern Nevada. (With F. L. Hess.) *J. Wash. Acad.*, 1913, v. 3, p. 286.
- Two vanadiferous aegirites from Libby, Montana. (With E. S. Larsen.) *Am. J. Sci.*, 1913, v. 36, p. 289-296.
- Bournonite crystals of unusual size from Park City, Utah. (With F. R. Van Horn.) *Am. J. Sci.*, 1915, v. 40, p. 145-150.
- Manganhaltiger albit von Kalifornien. (With E. H. Kraus.) *Centralbl. Min.*, Stuttgart, 1915, p. 465-467.
- The origin of the sulphur deposits of Sicily. *Econ. Geol.*, 1915, v. 10, p. 543-580.
- Ungewöhnliche optische eigenschaften des muscovits in dem marvilla marmor von Cockeysville, Maryland. (With R. W. Clark.) *Centralbl. Min. Geol. Pal.*, 1915, p. 666-668.

- Note on the variable composition of melanochalcite. (With E. H. Kraus.) *Am. J. Sci.*, 1916, v. 41, 4th ser., p. 211-214.
 Several book reviews and many abstracts of articles.

HUSSEY, William Joseph

- Observations of comet 1910*a*. *Astr. J.*, 1910, v. 26, p. 75.
 Elements of comet 1910*a*. *Astr. J.*, 1910, v. 26, p. 78.
 Observations of the Struve double stars. *Lick Obs. Bull.*, 1911, v. 5, p. 182-195.
 Publications of the Astronomical Observatory of the University of Michigan. Articles in v. 1, 1912-1915.
 A general account of the observatory. p. 3-34.
 Observations of double stars discovered at La Plata. p. 148-166.
 Observations of southern double stars. p. 167-179.
 Observations of comets and minor planets. p. 180-189.
 Observatorio Astronomico de la Universidad Nacional de La Plata, publicaciones. Articles in Tomo I, 1914, as follows:
 Descripcion general del observatorio. p. 1-64.
 Posicion geografica del observatorio de La Plata. p. 65-74.
 El eclipse del 10 de Octubre de 1912: La expedicion del observatorio de La Plata. p. 93-99.
 Estrellas dobles descubiertas en La Plata. p. 100-113.
 Observaciones de cometas. p. 114-124.
 The observatory of La Plata. *Mich. Tech.*, 1915, p. 251-258.

JACKSON, George Leroy

- School support in colonial Massachusetts. *Teachers Col.*, New York, 1909, 95 p.
 High school education. (With C. H. Johnston and others.) *Scribners*, New York, 1912, p. 45-67.
 The privilege of education—A history of its extension. Gorham, Boston, 1918, 143 p.

JOHNSON, George Edwin

- The habits of the thirteen-lined ground squirrel (*Citellus tridecemlineatus*), with especial reference to the burros. *Quar. J. Univ. N. Dak.*, 1917, v. 7, p. 261-271.

JOHNSTON, Clarence Thomas

- The design of earth dams. Mich. Tech., 1911, v. 24, p. 7-13.
- Timing the exposure of dry plates. Mich. Tech., 1912, v. 25, p. 78-88.
- Some principles relating to the administration of streams. Tr. Am. Soc. C. E., 1915, p. 630-684.
- The need of state supervision of the waters of Michigan. 36th Ann. Rep. Mich. Eng. Soc., 1915, p. 60-68.
- Vagaries of the Riparian boundary theory. Mich. Tech., 1916, v. 29, p. 96-100.
- The engineer and public service. J. West. Soc. Eng., 1916.
- The status of the engineer and engineering in Michigan. 37th Ann. Rep. Mich. Eng. Soc., 1916, p. 181-191.
- State supervision of the practice of civil engineering Mich. Tech., 1917, v. 30, p. 67-70.
- Drainage, a state business. 38th Ann. Rep. Mich. Eng. Soc., 1917, p. 112-120.
- The land policy of the United States. Mich. Eng., 1918, v. 36, p. 9-17.
- The engineer as a citizen. Mich. Tech., 1918, v. 31, p. 76-79.
- Other papers: discussions, reports, addresses.

KARPINSKI, Louis Charles

- The Hindu-Arabic numerals. (With David E. Smith.) Ginn & Co., Boston, 1911, vi, 160 p.
- Robert of Chester's Latin translation of the algebra of Al-Khowarizmi, with an introduction, critical notes, and an English version. Univ. of Mich. Studies, Human Ser., v. xi, part I. Macmillan Co., New York, 1915. vii, 164 p., 4 plates.
- Visions. Ind., 1909, v. 46, p. 915-918.
- The decimal system of numbers. Pop. Sci. Monthly, 1909, v. 74, p. 490-498.
- Jordanus Nemorarius and John of Halifax. Am. Math. Monthly, 1910, v. 17, p. 108-113.
- A unique collection of arithmetics. Pop. Sci. Monthly, 1910, v. 75, p. 226-235.
- Hindu numerals in the Fihrist. Bibl. Math., 1911, v. 11, ser. 3, p. 121-124.
- Robert of Chester's translation of the algebra of Al-Khowarizmi. Bibl. Math., 1911, v. 11, ser. 3, p. 125-132.

- Number. *Am. Math. Monthly*, 1911, v. 18, p. 97-102.
- An Italian algebra of the fifteenth century. *Bibl. Math.*, 1911, v. 11, ser. 3, p. 210-219.
- The algebra of Abu Kamil Shoja' ben Aslam. *Bibl. Math.*, 1912, v. 12, ser. 3, p. 40-55.
- Review of history of mathematics in the *Encyclopaedia Britannica*. *Science*, 1912, n. s. v. 34, p. 29-31.
- The Hindu-Arabic numerals. *Science*, 1912, n. s. v. 35, p. 969-970.
- Mathematics. *Johnston's High School Education*, Scribners, New York, 1912, p. 128-145 and 477-478.
- Augrim-stones. *Mod. Lang. Notes*, New York, 1912, v. 27, p. 206-209.
- Slate. *New Encyclopedia of Education*, Macmillan Co., New York, 1913, v. 5, p. 341.
- Algebra. *Mod. Lang. Notes*, 1913, v. 28, p. 93.
- Hindu numerals among the Arabs. *Bibl. Math.*, 1913, v. 13, ser. 3, p. 97-98.
- The "quadripartitum numerorum" of John of Meurs. *Bibl. Math.*, 1913, v. 13, ser. 3, p. 99-114.
- The whetstone of Witte, 1557. *Bibl. Math.*, v. 13, p. 223-228.
- John Caswell. *Bibl. Math.*, 1913, v. 13, p. 248-249.
- The algebra of Abu Kamil. *Am. Math. Monthly*, 1914, v. 21, p. 37-48.
- The algorism of John Killingworth. *Eng. Hist. Rev.*, 1914, v. 29, p. 707-717.
- Standards in education. *Sch. Sci. and Math.*, 1914, v. 14, p. 745-748.
- Practical arithmetic. *J. Edu.*, 1914, v. 80, p. 603-605.
- The teaching of elementary mathematics. *School and Soc.*, 1917, v. 5, p. 78-86.
- Algebraical developments among the Egyptians and Babylonians. *Am. Math. Monthly*, 1917, v. 24, p. 257-265.
- The decimal point. *Science*, 1917, n. s. v. 45, p. 663-665.
- Numerous reviews.

KAUFFMAN, Calvin Henry

- An epidemic of cronartium compotoniae at the Roscommon State Nurseries. (With E. B. Mains.) *Mich. Acad. Sci.*, 17th Ann. Rep., 1915, p. 188-189.
- Unreported Michigan fungi for 1911, 1912, 1913, and 1914. *Mich. Acad. Sci.*, 17th Ann. Rep., 1915, p. 194-216.

The fungi of North Elba. N. Y. State Mus. Bull. 179, Rep. of the State Botanist, 1914, Albany, 1915, p. 80-104.

A preliminary list of the bryophytes of Michigan. Mich. Acad. Sci., 17th Ann. Rep., 1915, p. 217-223.

Tennessee and Kentucky fungi. Mycologia, 1917, v. 9, p. 159-166.

Unreported Michigan fungi for 1915-1916, with an index to the hosts and substrata of basidiomycetos. Mich. Acad. Sci., 19th Rep. 1917, p. 145-157.

KELSEY, Francis Willey

The present position of Latin and Greek; The value of Latin and Greek as educational instruments; Latin and Greek in our courses of study. (Being Chapters I-III, Latin and Greek in American education: ed. by F. W. Kelsey.) Univ. of Mich. Pub. Macmillan Co., New York, 1911, p. 1-58.

Greek in the high school and the question of the supply of candidates for the ministry. (Being P. 4 of a Symposium: "Theology," Latin and Greek in American Education: Ed. by F. W. Kelsey.) Univ. of Mich. Pub. Macmillan Co., New York, 1911, p. 186-208.

The Dattari collection of Alexandrian coins, recently presented to the University of Michigan. 16th Mich. Class. Conf., Sch. Rev., 1911, p. 196-197.

Recent additions to the archaeological collections of the University of Michigan, illustrated by examples: Etruscan cinerary urn, inscriptions, objects of common life, Michigan archaeological forgeries. 17th Mich. Class. Conf., Sch. Rev., 1912, p. 177.

The excavations and discoveries at Cyrene in 1910-11. 18th Mich. Class. Conf., Sch. Rev., 1913, p. 192-193.

Caesar B. G. VI. 26 again. 19th Mich. Class. Conf., Sch. Rev., 1914, p. 184-185.

The Greek play at the University of Michigan. Art and Arch., 1917, v. 6, p. 19-23, 6 illus.

The new humanism. Art and Arch., 1918, v. 7, p. 14-29.

Reports as president of the Archaeological Institute of America, 1909-12; communications; historical and biographical notes.

KENYON, Herbert Alden

Selgas' La Mariposa Blanca: ed. with introd., notes and vocabulary. Henry Holt and Co., New York, 1910, vii, 121 p.

Color symbolism in early Spanish ballads. *Rom. Rev.*, 1915, v. 6, p. 327-340.

KIMBALL, Sidney Fiske

Thomas Jefferson and the first monument of the classic revival in America. Univ. of Mich. diss., 1915, p. 48.

Thomas Jefferson, architect. Printed for private distribution, Boston, 1916, vii, 205, xi p., 100 pls.

A history of architecture. (With G. H. Edgell.) Harper & Brothers, New York, 1917, vii, 617 p.

Brick manor houses of France: I. Le Moulin, Herbault, La Ravinière; II. La Morinière. *Brickbuilder*, 1912 and 1913, v. 21, p. 295-298 and v. 22, p. 135-138.

The department of architecture of the University of Illinois: Development, condition, ideals. *Ill. Alumni Quar.*, 1913, v. 7, p. 87-96.

Architectural refinements. *Dial*, 1913, v. 54, p. 414-416.

Byzantine brick churches in Greece. *Brickbuilder*, 1913, v. 22, passim.

Byzantine and Romanesque architecture. *Dial*, 1913, v. 55, p. 306-307.

The life and art of the Middle Ages. *Dial*, 1914, v. 56, p. 246-247.

The building of Washington. *Dial*, 1915, v. 59, p. 269-270.

Gothic architecture. *Dial*, 1916, v. 60, p. 502-503.

The chateau of Les Grotteaux. *Arch. Rec.*, 1916, v. 40, p. 445-449.

The history and monuments of our national art. *Art and Arch.*, 1916, v. 4, p. 161-169.

The beginnings of landscape gardening in America. *Land. Arch.*, 1917, v. 7, p. 181-187.

Latrobe's designs for the cathedral of Baltimore. *Arch. Rec.*, 1917 and 1918, v. 42, p. 540-550 and v. 43, p. 37-45.

Benjamin Henry Latrobe and the beginnings of architectural and engineering practice in America. *Mich. Tech.*, 1917, v. 30, p. 218-223.

The development of American architecture. *Arch. Forum*, 1918, v. 28, p. 1-5, 80-86 and v. 29, p. 21-25.

The genesis of the White House. *Cent.*, 1918, v. 73, p. 523-528.

The study of colonial architecture. *Arch. Rev.*, 1918, n. s. v. 6, p. 28-29, 37-38, 76.

The grounds at Monticello in 1809. *Land. Arch.*, 1918, v. 8, p. 141-143.

KING, Horace Williams

Handbook of hydraulics. McGraw-Hill Book Co., New York, 1918, xvi, 424 p.

Flow of water over right-angled v-notch weir. Mich. Tech., 1916, v. 29, p. 189-195.

KRAEMER, Henry

Applied and economic botany. 1st ed. published by the author, 1914, 806 p., 424 pls. comprising about 2000 figs. 2nd ed. John Wiley and Sons, New York, 1916, 828 p.

Scientific and applied pharmacognosy. John Wiley and Sons, New York, 1915, 857 p., 300 pls. comprising about 1000 figs.

Outline of courses in botany, microscopy and pharmacognosy. J. B. Lippincott Co., Philadelphia, 1912, 50 p.

Centenary of Charles Darwin. Am. J. Phar., 1909, v. 81, p. 196-201.

Drugs and druggists in relation to tuberculosis. Am. J. Phar., 1909, v. 81, p. 276.

Representation of druggists' association at the U. S. P. convention 1910. Am. J. Phar., 1909, v. 81, p. 552-556.

The histology of the rhizome and roots of phlox ovata (Phlox Carolina). Am. J. Phar., 1910, v. 82, p. 470.

The Netherlands pharmacopoeia. Am. J. Phar., 1910, v. 82, p. 516.

Pharmacognosy and the United States pharmacopoeia. Am. J. Phar., 1910, v. 82, p. 51.

Pharmacopoeia of Japan. Am. J. Phar., 1910, v. 82, p. 99.

A new adulterant: The pericarp of the fruit of juglans regia. Proc. Am. Phil. Assn., 1910, v. 58, p. 995-998.

The pharmacognosy of saw palmetto (Serenoa Serrulata). Pract. Druggist and Rev. of Rev., 1910, v. 83, p. 97.

A new vegetable adulterant. Am. J. Phar., 1911, v. 83, p. 377.

Teaching of and examination in pharmacognosy. Am. J. Phar., 1911, v. 83, p. 427.

Variation in the forms of digitalis hairs. Am. J. Phar., 1911, v. 83, p. 365.

The pharmacognosy of echinacea. (With Maud Sollenberger.) Am. J. Phar., 1911, v. 83, p. 315.

The influence of heat and chemicals upon the structure and composition of the starch grain. Tr. 8th Int. Cong. App. Chem., 1912, v. 17, p. 31-35.

- Medullary ray cells in *rhamnus purshianus*. *Am. J. Phar.*, 1912, v. 84, p. 385.
- The rise and development of pharmacognosy. *Phar. Era*, 1912.
- The retail pharmacist as a purveyor of pure drugs. *Am. J. Phar.*, 1913, v. 85, p. 1.
- Fruits of *rhus glabra* replaced by the fruits of *rhus typhina*. *Am. J. Phar.*, 1913, v. 85, p. 398.
- The nature and structure of cochineal. *Am. J. Phar.*, 1913, v. 85, p. 344.
- The influence of heat and chemicals on the starch grains. *Am. J. Phar.*, 1914, v. 86, p. 81.
- Some of the early teachers in pharmacognosy in America. *Am. J. Phar.*, 1916, v. 88, p. 433.
- Pharmacognosy of the U. S. Pharmacopoeia. *Phar. Era.*, 1916.
- Coriaria, a new adulterant. *Pacific Phar.*, 1917.
- Other papers.

KRAUS, Edward Henry

- Tables for the determination of minerals by means of their physical properties, occurrences, and associates. (With W. F. Hunt.) McGraw-Hill Book Co., New York, 1911, vii, 254 p.
- Descriptive mineralogy. George Wahr, Ann Arbor, 1911, viii, 334 p.
- Crystallography of isocalycanthine. (Part of paper by H. M. Gordin.) *J. Am. Chem. Soc.*, 1909, v. 31, p. 1307-1308.
- An improved Jolly balance. *Am. J. of Sci.*, 1911, v. 31, p. 561-563.
- Lead silicates. (With H. C. Cooper and A. A. Klein.) *Am. Chem. J.*, 1912, v. 47, p. 273-285.
- Die optischen eigenschaften einiger bleisilikaten. (With H. C. Cooper and A. A. Klein.) *Centralbl. Min.*, Stuttgart, 1912, p. 289-295.
- Ueber die aenderungen des optischen achsenwinkels in gips mit der temperatur. (With L. J. Youngs.) *Neues Jahrb. Min.*, 1912, v. 1, p. 123-146.
- Crystallography of lead formate. (Part of paper by F. L. Shannon.) *J. Indus. and Eng. Chem.*, 1912, v. 4, p. 527-528.
- Die krystallenformen des iodyrite von Tonopah, Nevada. (With C. W. Cook.) *Centralbl. Min.*, 1913, p. 385-386.
- Die aenderungen des optischen achsenwinkels in glauherit mit der temperatur. *Zs. Krystallog.*, 1913, v. 52, p. 321-326.

- The chemical composition of bornite and its relation to other sulpho-minerals. (With J. P. Goldsberry.) *Am. J. of Sci.*, 1914, v. 37, p. 539-553.
- Ein neuer ehitzungsapparat zur bestimmung der aenderungen des optischen achsenwinkels bei höheren temperaturen. (With L. J. Youngs.) *Centralbl. Min.*, 1914, p. 356-359.
- Datolite from Great Notch, New Jersey. (With C. W. Cook.) *Am. J. of Sci.*, 1915, v. 39, p. 642-645.
- Manganhaltiger albit von Kalifornien. (With W. F. Hunt.) *Centralbl. Min.*, 1915, p. 465-467.
- Note on the variable composition of melanochalcite. (With W. F. Hunt.) *Am. J. of Sci.*, 1915, v. 41, p. 211-214.
- Ueber anglesit von dem tinctiedistrikt, Utah. (With A. B. Peck.) *Neues Jahrb. Min.*, 1916, v. 2, p. 17-30.
- Some new thermo-optical observations on gypsum and glauberite. (With A. B. Peck.) *19th Rep. Mich. Acad. of Sci.*, 1917, p. 95-100, pls. II-IV.
- Hauy's contribution to our knowledge of isomorphism. *Am. Mineral.*, 1918, p. 126-130.
- Many book reviews in English (5) and German (37).
- Other reviews and abstracts (114) for *Centralblatt* and *Neues Jahrbuch für Mineralogie*, etc.

KUESTERMANN, Walter Wolleben

- Ueber fouriersche doppelreihen und das Poissonsche Doppelintegral. Inaugural Diss., Munich, Dr. Wild'sche Buchdruckerei, Gebr. Parcus, 1913, p. 61.
- Proof of the convergence of Poisson's integral for non-absolutely integrable functions. *Bull. Am. Math. Soc.*, 1914, v. 21, 2nd ser., p. 120-123.
- Funktionen von beschränkter schwankung in zwei reelen veränderlichen. *Math. Ann.*, v. 77, p. 474-481.
- Fourier's constants of functions of several variables. *Am. J. Math.*, 1917, v. 39, p. 113-122.

LARUE, George Rogers

- On the morphology and development of a new cestode of the genus *proteocephalus* Weinland. *Tr. Am. Microsc. Soc.*, 1909, v. 28, p. 17-49, 49 figs.
- A revision of the cestode family *proteocephalidae*. *Zool. Anz.*, 1911, v. 38, p. 473-482.

- A revision of the cestode family proteocephalidae. Ill. Biol. Mono., 1914, v. 1, iv, 345 p, 16 pls. and 199 figs.
- A new cestode, *ophiotaenia cryptobranchi* nov. spec., from *cryptobranchus Allegheniensis* (Daudin). 16th Rep. Mich. Acad. Sci., 1914, p. 10-17, 1 pl., 5 figs.
- Two new larval trematodes from *thamnophis marciana* and *thamnophis eques*. Occas. Papers, Mus. of Zool., Univ. of Mich., 1917, No. 35, p. 1-12, 1 pl., 4 figs.
- Notes and communications in Tr. Am. Microsc. Soc., 1915-16.

LAY, Walter Edwin

- Heat balance tests of automobile engines. (With W. T. Fishleigh.) S. A. E. Bull., 1916, v. 11, p. 271-287.

LEVERETT, Frank

- Surface geology of the northern peninsula of Michigan. Mich. Geol. and Biol. Sur., 1911, Geol. Ser. 5, 92 p. and map.
- Surface geology and agricultural conditions in the southern peninsula of Michigan. Mich. Geol. and Biol. Sur., 1912, Geol. Ser. 7, 144 p. and 15 pls.
- Surface formations and agricultural conditions of northwestern Minnesota. Minn. Geol. Sur., 1915, Bull. No. 12, 78 p. and map.
- The pleistocene of Indiana and Michigan. (With Frank B. Taylor.) U. S. Geol. Sur., Monographs., 1915, v. 53, 529 p., 32 pls., 15 figs.
- Surface formations and agricultural conditions of northeastern Minnesota. (With Frederick W. Sardison.) Minn. Geol. Sur., 1917, Bull. No. 13, 72 p., 15 pls., 15 figs and map.
- Surface geology and agricultural conditions of Michigan. Mich. Geol. and Biol. Sur., 1917, Geol. Ser. 21, 223 p. 15 pls.
- Outline of history of the Great Lakes. 12th Rep. Mich. Acad. Sci., 1910, p. 19-42.
- Comparison of North American and European glacial deposits. Zs. Gletscherkunde, 1910, v. 4, p. 241-295, 321-342; Sup. statement, 1911, v. 5, p. 315-316.
- The pleistocene of Minnesota, with special reference to clay. Minn. Geol. Sur., 1914, Bull. No. 12, p. 30-32.
- Time relations of glacial lakes in the Great Lakes region (abstract). 14th Rep. Wash Acad. Sci. J., 1913, v. 3, p. 237-238.

- Correlation of Lake Agassiz with glacial lakes in the Great Lakes basins (abstract). 14th Rep. Mich. Acad. Sci., 1913, p. 115.
- Remarkable deformation of the Algonquin Beach (abstract). Geol. Soc. Am. Bull., 1913, v. 24, p. 697.
- Observations on Craighton Lake (Ohio). Am. J. Sci., 1914, v. 38, p. 432-436 and map.
- Earth movements in the Minnesota portion of the Lake Agassiz basin: during and since the lake occupancy (abstract, with discussion). Geol. Soc. Am. Bull., 1914, v. 25, p. 34-35.
- Problems of the glacial geologist (abstract). Wash. Acad. Sci. J., 1914, v. 4, p. 171-172.
- Glacial formations in the western United States (abstract). Geol. Soc. Am. Bull., 1917, v. 28, p. 143-144.
- Glacial lakes and their correlative ice-border in the Superior Basin (abstract). 19th Rep. Mich. Acad. Sci., 1917, p. 101-102.
- Early stages and outlets of Lake Agassiz. 6th Bien. Rep. N. Dak. Soil and Geol. Sur., 1918, p. 19-28, 3 pls and map. Abstract, 1913, Geol. Soc. Am. Bull., 1913, v. 24, p. 697.
- Numerous other papers and reviews.

LEVI, Moritz

- Moliere: Le bourgeois gentilhomme. (Editor, with introduction and notes.) Henry Holt and Co., New York, 1910, xxvii, 209 p. New ed. with vocabulary in 1917.
- French composition. A trip to Paris. Henry Holt and Co., New York, 1916, iv, 115 p.
- Labiche and Martin's la poudre aux yeux. Henry Holt and Co., New York, 1918, vii, 187 p.
- Silence and solitude in the poems of Leopardi. Mod. Lang. Notes, 1909, v. 24, p. 172-176.

LICHTY, David Martin

- Some physical constants of sulfur trioxide. Melting and boiling points, density, coefficient of expansion and molecular weights. J. Am. Chem. Soc., 1912, v. 34, p. 1440-1448.
- Preparation and properties of permanently liquid sulfur trioxide. J. Mich. Sch. Masters' Club, 1913, p. 66-67.

LINDSAY, George Allan

- Observations of minor planets and of comet 1909 α . Astr. J., 1910, v. 26, p. 82.

The annual rainfall and temperature of the United States. *Tr. Acad. Sci. of St. Louis*, 1912, v. 21, p. 71-78.

A study of the longitudinal vibration of wires. *Phys. Rev.*, 1914, n. s. v. 3, p. 397-438.

LLOYD, Alfred Henry

The possible idealism of a pluralist. *Am. J. Theol.*, 1910, v. 14, p. 406-421.

The passing of the supernatural. *J. Phil. Psych. and Sci. Meth.*, 1910, v. 7, p. 533-553.

Games of chance. *Monist*, 1911, v. 21, p. 296-304.

Dualism, parallelism and infinitism. *Mind*, 1911, n. s. v. 19, p. 211-234.

The logic of antithesis. *J. Phil., Psych. and Sci. Meth.*, 1911, v. 8, p. 281-289.

The case of purpose against fate in history. *Am. J. Sociol.*, 1912, v. 17, p. 491-511.

The reign of science in the history of a race. *Mind*, 1912, n. s. v. 21, p. 486-507.

Five great battles of civilization. *Am. J. Sociol.*, 1913, v. 19, p. 166-187.

The high comedy of philosophy. *Monist*, 1913, v. 23, p. 523-542.

Conformity, consistency and truth—a sociological study. *J. Phil., Psych. and Sci. Meth.*, 1913, v. 10, p. 281-296.

Roger Bacon, the philosopher. *Open Court*, 1913, v. 28, p. 486-493.

The power behind the throne. *J. Phil., Psych. and Sci. Meth.*, 1914, v. 11, p. 673-680.

Kant and after Kant. *J. Phil., Psych. and Sci. Meth.*, 1915, v. 12, p. 373-381.

The duplicity of democracy. *Am. J. Sociol.*, 1915, v. 21, p. 1-14.

Incarnation. *Am. J. Theol.*, 1916, v. 20, p. 45-80.

Negation and direction. *Phil. Rev.*, 1916, v. 25, p. 383-406.

The doctrinaire in time of crisis. *Int. J. Ethics*, 1916, v. 26, p. 1-15.

Pragmatism and metaphysics. *J. Phil., Psych. and Sci. Meth.*, 1917, v. 14, p. 477-483.

Psychophysical parallelism: A psychological episode in history. *J. Phil., Psych. and Sci. Meth.*, 1917, v. 14, p. 561-570.

The glory of democracy: poetry, comedy and duty. *Int. J. Ethics*, 1918, v. 28, p. 179-196.

Numerous reviews.

LOEFFLER, Egbert Theodore

Questions in practical dental therapeutics, with introductory notes on general principles in treatment. Also notes on oral hygiene and oral prophylaxis. Ann Arbor, 1913, 61 p.

The proper consistency in the use of terms applied to local remedies classified according to their pharmacological action. Dent. Summary, 1909, v. 29, p. 732-737.

A rational treatment of chronic dento-alveolar abscesses. Dent. Summary, 1910, v. 30, p. 1034-1043.

LOMBARD, Warren Plimpton

Der blutdruck in den kapillaren und kleinen venen der menschlichen haut. Centralbl. Physiol., 1911, Bd. xxv, p. 157-159.

The surface tickle sense of the human skin. 9me Cong. Int. des Physiologistes Groningue, 1913.

A diagram of the heart cycle picturing the change of form of the auricles, ventricles, cardiogram, and venous and carotid pulse curves. Tr. Clin. Soc. of the Univ. of Mich., 1914, v. 5, p. 81-86.

Influences affecting voluntary muscular work—especially age and tobacco. Am. J. Physiol., 1916, v. 40, p. 132-133.

LOVE, Clyde Elton

Differential and integral calculus. Macmillan Co., New York, 1916, xviii, 343 p.

On the irregular integrals of linear differential equations. Ann. Math., 1914, v. 15, p. 145-156.

On the asymptotic solutions of linear differential equations. Am. J. Math., 1914, v. 36, p. 151-166.

Singular integral equations of the volterra type. Tr. Am. Math. Soc., 1914, v. 15, p. 467-476.

On linear difference and differential equations. Am. J. Math., 1916, v. 38, p. 57-80.

LOVEJOY, Parish Storrs

A suggestion for securing better professional terminology. For. Quar., 1914, v. 12, p. 1-3.

The costs and values of forest protection. For. Quar., 1916, v. 14, p. 24-38.

The costs and values of forest improvements. For. Quar., 1916, v. 14, p. 239-254.

- Forest protection for Michigan. Rep. Mich. For. Fire. Cong., Pub Domain Com., 1916, p. 7-10.
- Forestry and the pulp-wood supply of the future. Paper M., 1916, p. 80-84.
- Forest biology. J. of For., 1917, v. 15, p. 203-214.
- Some other papers.

LYONS, Chalmers J.

- The necessity for mechanical retention in cavity preparation for porcelain inlays. Dent. Summary, 1909, v. 29, p. 29-38.
- Uses of porcelain in dentistry. Dent. Summary, 1909, v. 29, p. 364-370, 456-465.
- Reflected pains from trifacial nerve. Dent. Reg., 1909, v. 63, p. 461-467.
- Surgical treatment of certain types of congenital cleft palate. Dent. Summary, 1911, v. 31, p. 342-346, 401-413.
- The consideration of reflected pains in dental diagnosis. Dent. Summary, 1911, v. 31, p. 783-794.
- Importance of early recognition of diseases of the mouth. Dent. Summary, 1913, v. 33, p. 499-506.
- The impacted lower third molar, its pathological significance and an operation for its removal. Dent. Summary, 1914, v. 34, p. 1-14.
- Diagnosis and treatment of certain dental diseases. Dent. Summary, 1914, v. 34, p. 118-124.
- The teaching of oral surgery. Proc. Nat. Inst. Dent. Teachers, 1914, p. 78-93.
- Ankylosis of the jaws. J. Am. Med. Assn., 1917, v. 68, p. 174-177.
- Pathological significance of impacted and unerupted teeth. J. Nat. Dent. Assn., 1916, v. 3, p. 28-46.

McCOTTER, Rollo Eugene

- On the occurrence of the pulmonary arteries arising from the thoracic aorta. Anat. Rec., 1910, v. 4, p. 291-297.
- The connection of the vomeronasal nerves with the accessory olfactory bulb in the opossum and other mammals. Anat. Rec., 1912, v. 6, p. 299-318.
- The nervus terminalis in the adult dog and cat. J. Comp. Neurol. 1913, v. 23, p. 145-152.
- A note on the course and distribution of the nervus terminalis in man. Anat. Rec., 1915, v. 9, p. 243-246.

Three cases of the persistence of the superior vena cava. *Anat. Rec.*, 1916, v. 10, p. 371-383.

Regarding the length and extent of the human medulla spinalis. *Anat. Rec.*, 1916, v. 10, p. 559-564.

The vomeronasal apparatus in *chrysemys punctata* and *rana catesbiana*. *Anat. Rec.*, 1917, v. 13, p. 51-67.

McLAUGHLIN, William Aloysius

Numerous notes in *Notes and Queries*, *Revue Critique*, *Modern Language Review*, *The Nation*, *Athenaeum*, etc.

MALEJAN, Harry H. M.

Numerous reports on cases in *Mich. State Med. J.*

MARSHALL, Mark

A guide to the special and test diets in use at the University Hospital, Ann Arbor, Mich. George Wahr, Ann Arbor, 1911, 39 p.

MEADER, Clarence Linton

The usage of *idem*, *ipse* and words of related meaning. A contribution to Latin philology. (Univ. of Mich. Studies.) Macmillan Co., New York, 1910, v. 3, Human. Ser., i, 111 p.

Plays by Leonid Andreyeff: *The black masters*, the life of man, *The Sabine women*, tr. from the Russian. (With Fred N. Scott, with an introductory essay by V. V. Brusyanin.) Charles Scribner's Sons, New York, 1915, xxviii, 214 p.

The reform in grammatical nomenclature from the point of view of general linguistics. *School Rev.*, 1911, v. 19, p. 617-618.

The development of copulative verbs in the Indo-European languages. *Tr. Am. Philol. Assn.*, 1912, v. 43, p. 173-200.

English etymology in Webster's Home, School and Office Dictionary. Ed. by Harry Thurston Peck. Nat. Press Assn., New York, 1912, p. 6-10.

Other papers.

MELLON, Ralph Robertson

The relation of fatigue to paralysis localization in plumbism. *Archiv. of Int. Med.*, 1913, v. 12, p. 399-419.

MELOCHE, Clifford Cyrille

- The influence of lead on the ferrocyanide titration of zinc. (With Victor Lenher.) *Proc. 8th Int. Cong. of Appl. Chem.*, 1912, v. 1, p. 279-284.
- The derivatives of perceric oxide, I. *J. Am. Chem. Soc.*, 1915, v. 37, p. 2338-2346. II, *ibid*, p. 2645-2652.
- The volumetric determination of cerium by means of potassium permanganate. (With Victor Lenher.) *J. Am. Chem. Soc.*, 1916, v. 38, p. 66-70.

MEYER, Charles Ferdinand

- Some spectra in the photographic infra-red. *Astrophys. J.*, 1917, v. 45, p. 93-102.
- The wave-length of light from the spark which excites fluorescence in nitrogen. *Phys. Rev.*, 1917, v. 10, p. 575-579.

MOORE, Samuel

- The Old English Genesis, 11.1145 and 1446-8. *Mod. Lang. Rev.*, 1911, v. 6, p. 199-202.
- On the sources of the Old English Exodus. *Mod. Phil.*, 1911, v. 9, p. 83-108.
- The new Chaucer item. *Mod. Lang. Notes*, 1912, v. 27, p. 79-81.
- Patrons of letters in Norfolk and Suffolk, c. 1450. I. *Pub. Mod. Lang. Assn. of Am.*, 1912, v. 27, p. 188-207.
- Studies in the life-records of Chaucer. *Anglia*, 1913, v. 37, p. 1-26.
- Patrons of letters in Norfolk and Suffolk, c. 1450. II. *Pub. Mod. Lang. Assn. of Am.*, 1913, v. 28, p. 79-105.
- Geoffrey Chaucer, Esquire. *Mod. Lang. Notes*, 1913, v. 28, p. 189-193.
- Studies in Piers the Plowman. I. *Mod. Phil.*, 1913, v. 11, p. 177-193.
- General aspects of literary patronage in the middle ages. *Lib.*, 1913, v. 4, Ser. 3, p. 369-392.
- Notes on the Old English Christ. *Archiv für das Studium der Neueren Sprachen und Literaturen*, 1913, v. 131, p. 311-314.
- Studies in Piers the Plowman. II. *Mod. Phil.*, 1914, v. 12, p. 19-50.
- The source of Christ 416ff. *Mod. Lang. Notes*, 1914, v. 29, p. 226-227.
- The position of group C in the Canterbury Tales. *Pub. Mod. Lang. Assn. of Am.*, 1915, v. 30, p. 116-123.

The Old English Christ: Is it a unit? *J. Eng. and Germ. Phil.*, 1915, v. 14, p. 550-567.

New life-records of Chaucer. *Mod. Phil.*, 1918, v. 16, p. 49-52.

Short articles and notes on Chaucer, Lydgate, and Caxton in *Mod. Lang. Notes*, *Mod. Lang.*, *Mod. Phil.*, and *Nation*.

MYERS, Dean Wentworth

Central vision in aphakic eyes and a new method for preventing prolapse of the iris. *Homeop. Eye, Ear and Throat J.*, 1910, v. 16, p. 70-76.

Simple extraction of cataract. Rep. of six cases. *Homeop. Eye, Ear and Throat J.*, 1910, v. 16, p. 524-536.

Report of sixty-five consecutive cataract cases. *J. Ophthalm., Otol. and Laryng.*, 1912, v. 18, p. 276-282.

Cataract extraction in its closed capsule without iridectomy. *J. Ophthalm., Otol. and Laryng.*, 1914, v. 22, p. 55-70.

The streptococcus question. *J. Ophthalm., Otol. and Laryng.*, 1915, v. 21, p. 283-290.

A sutureless flap for trephining or cyclo-dialysis. *J. Ophthalm., Otol. and Laryng.*, 1916, v. 22, p. 426-429.

Some practical experiments to determine the center of rotation of the eyeball. *J. Ophthalm., Otol. and Laryng.*, 1916, v. 22, p. 991-998.

MYERS, George Edmund

Problems of vocational education in Germany. *U. S. Bur. of Edu. Bull.*, 1915, No. 33, p. 1-42.

The compulsory continuation school problem in New York City. 19th Ann. Rep., N. Y. City, Supt. of Schools, Continuation School Sec., 1916, p. 134-154.

NELSON, Alfred Lewis

Plane nets with equal invariants. *Rendiconti del Circolo Matematico di Palermo*, 1916, v. 41, p. 238-262.

Quasi-periodicity of asymptotic plane nets. *Bull. Am. Math. Soc.*, 1916, v. 22, 2d ser., p. 445-455.

NELSON, Joseph Raleigh

The man who doesn't come back: An analysis of conditions that cause students to leave the College of Engineering before graduation. *Mich. Alumnus*, 1911, v. 18, p. 61-67.

Engineering English at Michigan. *Bull. Soc. Prom. Eng. Edu.*, 1916, v. 7, p. 101-107.

NEWBURGH, Louis Harry

- A study of hydrogen ion concentration of the urine in heart disease. (With W. W. Palmer and L. J. Henderson.) *Arch. Int., Med.* 1913, v. 12, p. 146-152.
- Effect of heat on blood pressure. (With C. H. Lawrence.) *Arch. Int. Med.*, 1914, v. 13, p. 287-297.
- The blood pressure in pneumonia. (With G. R. Minot.) *Arch. Int. Med.*, 1914, v. 14, p. 48-55.
- State of the vasomotor apparatus in pneumonia. (With W. T. Porter.) *Am. J. Physiol.*, 1914, v. 35, p. 1-14.
- The heart muscle in pneumonia. (With W. T. Porter.) *J. Exp. Med.*, 1915, v. 22, p. 123-128, 1 pl.
- Vasomotor mechanism in pneumonia. *Am. J. Med. Sci.*, 1915, v. 149, p. 204-209.
- On the use of strychnine and caffeine as cardiovascular stimulants. *Arch. Int. Med.*, 1915, v. 15, p. 458-478.
- The respiratory apparatus in pneumonia. (With J. H. Means and W. T. Porter.) *J. Exp. Med.*, 1916, v. 24, p. 583-603.
- The blood pressure in experimental pneumonia. (With W. T. Porter.) *Am. J. Physiol.*, 1916, v. 41, p. 384-386.
- The vagus nerves in pneumonia. (With W. T. Porter.) *Am. J. Physiol.*, 1916, v. 42, p. 175-192.
- Further evidence regarding rôle of vagus nerves in pneumonia. (With W. T. Porter.) *Am. J. Physiol.*, 1917, v. 43, p. 455-456.
- Eight shorter contributions upon clinical subjects.

NEWCOMBE, Frederick Charles

- The place of plant responses in the categories of sensitive reactions. *Am. Nat.*, 1910, v. 44, p. 333-342.
- The training and function of the high school teacher in botany. *J. Mich. Sch. Masters' Club*, 1910, p. 65-67.
- Seasonal variation in the food reserves of trees. (With John F. Preston and Frank J. Phillips.) *For. Quar.*, 1911, v. 9, p. 232-243.
- Sensitive life of asparagus plumosus. A morpho-physiological study. *Beihefte zum Botanischen Centralbl.*, 1913, v. 31, p. 1-42.
- The scope and method of state natural history surveys. *Science*, 1913, n. s. v. 37, 1-16.

Das verhalten der windepflanzen in der dunkelheit. Jahrbuecher fuer Wissenschaftliche Botanik (Pfeffer Festschrift), 1915, v. 56, p. 511-528.

Behavior of plants in unventilated chambers. (With Etta A. Bowerman.) Am. J. Bot., 1918, v. 5, p. 284-294.

NOVY, Frederick George

Sur Leishmania infantum. Bull.Soc. de Path. Exot., 1909, v. 2, p. 385-387.

Chinosol. J. Am. Med. Assn., 1910, p. 1801-1802.

Leishman-Donovan bodies. Phys. and Surg., 1910, v. 32, p. 369-372.

Ultramicroscopic organisms. Phys. and Surg., 1911, v. 33, p. 241-246.

Recent achievements in parasitology. Rep. Mich. Acad. Sci., 1911, v. 13, p. 18-32.

Disease carriers. Science, 1912, v. 36, p. 1-10.

Immunization by means of cultures of trypanosoma Lewisi. J. Infect. Dis., 1912, v. 11, p. 411-426.

Food poisons. Ref. Hdbk. of Med. Sci., 1914, v. 4, p. 420-428.

Food poisons. Contributed to Mod. Med., 1914, v. 2, p. 450-471.

Anaphylatoxin and anaphylaxis: P. 1. Trypanosome anaphylatoxin. (With P. H. DeKruif and R. L. Novy.) P. 2. Agar anaphylatoxin: Guinea pig serum. (With P. H. DeKruif.) P. 3. Agar anaphylatoxin: Rabbit serum. (With P. H. DeKruif.) P. 4. Agar anaphylatoxin: Rat serum. (With P. H. DeKruif.) P. 5. Effect of multiple doses of anaphylatoxin. (With P. H. DeKruif.) P. 6. Effect of intravenous injections of agar. (With P. H. DeKruif.) P. 7. Peptone anaphylatoxin. (With P. H. DeKruif and F. O. Novy.) P. 8. Specific anaphylactic shock. (With P. H. DeKruif.) J. Infect. Dis., 1917, v. 20, p. 499-716, 776-832.

Anaphylatoxin and anaphylaxis. J. Am. Med. Assn., 1917, v. 58, p. 1524-1528.

NOVY, Robert L.

Infective jaundice. Spirochaetosis icterohaemorrhagica. Bull. Int. Assn. Med. Mus., 1918, v. 7, p. 327-346.

PARKER, Walter R. (Ophthalmology)

PHILLIPS, Ulrich B. (American History)

The bibliographies of Professors Parker (20 titles) and Phillips (19 titles) failed to reach the editor in time to be included here. These will be given in the special bulletin, just going to press, for 1918-1919.

OKKELBERG, Peter Olaus

Volumetric changes in the egg of the brook lamprey, *Entosphenus (Lampetra) wilderi* (Gage), after fertilization. *Biol. Bull.*, 1914, v. 26, p. 92-99.

Hermaphroditism in the brook lamprey. *Science*, 1914, v. 39, p. 478.

PARKER, DeWitt Henry

The self and nature. Harv. Univ. Press, Cambridge, 1917, 316 p.
Knowledge and volition. *J. Phil., Psych. and Sci. Meth.*, 1910, v. 7, p. 594-602.

The metaphysics of historical knowledge. Univ. of Cal. Pub. in Phil., 1913, v. 2, p. 103-186.

PATON, William Andrew

Principles of accounting. (With R. A. Stevenson.) Macmillan Co., New York, xviii, 685 p.

Problems and exercises in accounting. (With R. A. Stevenson.) George Wahr, Ann Arbor, 1918, 195 p.

PAWLOWSKI, Felix Wladyslaw

Evolution of aeroplane wing-trussing. *Tr. Soc. Auto. Eng.*, 1917, v. 12, pt. I, p. 207-219, 45 figs. and diagrams.

PETERSON, Reuben

Anastomosis of the intestines during the course of gynecologic operations; report of seven cases. *Phys. and Surg.*, 1909, v. 31, p. 536-540.

A bilateral enlargement of the thyroid during pregnancy causing complete abductor paralysis of the left and partial abductor paralysis of the right vocal cord. *Phys. and Surg.*, 1909, v. 31, p. 547-549.

The treatment of advanced extrauterine pregnancy. *Southern Med. J.*, 1910, v. 3, p. 60-65.

Tetanus developing twelve days after shortening of the round ligaments—recovery. *J. Am. Med. Assn.*, 1910, v. 54, p. 108-115.

Gallstones during pregnancy and the puerperium. *Surg., Gyn. and Obst.*, 1910, v. 11, p. 1-11.

The radical abdominal operation for cancer of the uterus. *Phys. and Surg.*, 1910, v. 32, p. 451-462.

- Cancer of the uterus and its treatment by the radical abdominal operation. *Surg., Gyn. and Obst.*, 1911, v. 12, p. 9-20.
- The indications for and technic of vaginal Cesarean section in eclampsia. *J. Am. Med. Assn.*, 1911, v. 56, p. 1-5.
- Consideration of the technique of the radical abdominal operation for uterine cancer based upon an experience with forty-four cases. *Surg., Gyn. and Obst.*, 1911, v. 12, p. 152-158.
- A consideration of vaginal Cesarean section in the treatment of eclampsia based upon a study of five hundred and thirty published and unpublished cases. *Am. J. Obst.*, 1911, v. 44, p. 1-56.
- Cesarean section and its alternatives in suspect and septic cases. *Am. J. Obst.*, 1912, v. 65, p. 197-206.
- The present status of abdominal Cesarean section. *Surg., Gyn. and Obst.*, 1912, v. 13, p. 32-39.
- Primary and end results of fifty-one radical abdominal operations for cancer of the uterus. *Surg., Gyn. and Obst.*, 1912, v. 13, p. 135-141.
- The present status of the radical abdominal operation for cancer of the uterus. *Surg., Gyn. and Obst.*, 1913, v. 16, p. 563-565.
- The rôle of abdominal Cesarean section in the treatment of eclampsia. *Am. J. Obst.*, 1914, v. 59, p. 581-593.
- A critical review of 500 published and unpublished cases of abdominal Cesarean section for eclampsia. *Am. J. Obst.*, 1914, v. 59, p. 909-961.
- Gallstones during the course of 1,068 abdominal sections for pelvic disease. *Surg., Gyn. and Obst.*, 1915, v. 20, p. 284-291.
- The extended operation for carcinoma of the uterus. *Surg., Gyn. and Obst.*, 1916, v. 23, p. 237-243.
- Observations of the occurrence of syphilis in the University of Michigan obstetric and gynecologic clinic. *Surg., Gyn. and Obst.*, 1916, v. 23, p. 280-283.
- A plea for routine Wassermann examinations for obstetric and gynecologic patients in hospital and general practice. *Am. J. Syphilis*, 1917, v. 1, p. 211-220.
- After-history** of a patient with inoperable vesicovaginal fistula where the rectal was substituted for the vesical sphincter. *J. Mich. State Med. Soc.*, 1917, v. 16, p. 232.
- Many minor papers: Reports, articles, etc.

PILLSBURY, Walter Bowers

- The psychology of reasoning. Appleton, Chicago, 1910, viii, 306 p.
- Essentials of psychology. Macmillan Co., New York, 1911, x, 362 p.
- The fundamentals of psychology. Macmillan Co., New York, 1916, ix, 562 p.
- Methods for the determination of the intensity of sounds. Rep. of the Com. of the Am. Psych. Assn. for the standardizing of experimental tests. *Mon. Sup. of the Psych. Rev.*, 1910, v. 13, p. 5-20.
- The place of movement in consciousness. *Psych. Rev.*, 1911, v. 18, p. 83-99.
- Rousseau's contribution to psychology. *Pop. Sci. Monthly*, 1912, v. 81, p. 331-335.
- The rôle of the type in simple mental processes. *Phil. Rev.*, 1911, v. 20, p. 498-514.
- The fluctuations of attention and the refractory period. *J. of Phil., Psych. and Sci. Meth.*, 1913, v. 10, p. 181-185.
- The mental antecedents of speech. *J. of Phil., Psych. and Sci. Meth.*, 1915, v. 12, p. 116-127.
- The function and test of definition and method in psychology. *Science*, 1915, v. 41, p. 371-389.
- The new developments in psychology in the past quarter century. *Phil. Rev.*, 1917, v. 26, p. 56-69.
- Principles of explanation in psychology. Contributed to studies in psychology in honor of Professor Titchener, (W. B. Pillsbury, Chairman of Editorial Committee for this volume), 1917, p. 18-29.
- The datum. *Studies in Philosophy in honor of Professor Creighton*. Macmillan Co., New York, 1917, p. 162-174.
- Other papers: Articles in *Cyclopedia Americana*, *Encyclopedia of Education*, the *United Edition Encyclopedia*; reviews.

RANDALL, Harrison McAllister

- A high temperature regulator. *Phys. Rev.*, 1909, v. 28, p. 142.
- The expansion of fused quartz at high temperatures (1000°). *Phys. Rev.*, 1910, v. 30, p. 216-235.
- Zur kenntnis ultraroter linienspektra (spektra von silber, kupfer, casium, rubidium, strontium, barium). *Annalender Physik.*, 1910, v. 33, 739-746.

- Some infra-red spectra. *Astrophys. J.*, 1911, v. 34, p. 1-20.
 Residual rays of selenite. *Astrophys. J.*, 1911, v. 34, p. 308-311.
 The infra-red arc spectrum of barium. *Astrophys. J.*, 1915, v. 42,
 p. 195-203.

RANKIN, Thomas Ernest

- Materials for the study of rhetoric and composition. (With J. R. Brumm.) Sheehan and Co., Ann Arbor, 1911, 130 p.
 English literature. (With W. M. Aikin.) Macmillan Co., New York, 1917, 427 p.
 The method and practice of exposition. Macmillan Co., New York, 1917, 278 p.
 American authorship of the present day. George Wahr, Ann Arbor, 1918, 121 p.
 The teacher of English composition. J. Mich. Sch. Masters' Club, 1911, p. 39-44.
 John Ruskin: Master of English literature. *Sewanee Rev.*, 1911, v. 19, p. 295-312.
 Biblical ignorance of college students. *Ind.*, 1911, v. 71, p. 197-200.
 Character writing in English literature. *Poet Lore*, 1912, v. 23, p. 42-55.
 The Bible and other books. *Homil. Rev.*, 1912, v. 64, p. 91-96.
 The Bible the supreme product of literary art. *Homil. Rev.*, 1914, v. 67, p. 267-273.
 Leading tendencies in literary art. *Sewanee Rev.*, 1914, v. 22, p. 181-205.

REEVES, Jesse Siddall

- The origin of the Congo Free State, considered from the standpoint of international law. *Am. J. Int. Law*, 1909, v. 3, p. 99-118.
 The influence of the law of nature upon international law in the United States. *Am. J. Int. Law*, 1909, v. 3, p. 547-561.
 The neutralization of Belgium and the doctrine of *kriegsraison*. *Mich. Law Rev.*, 1915, v. 13, p. 179-184.
 The right of the alien to participate in the social and economic life of the community. *Proc. Am. Soc. Int. Law*, 1911, v. 5, p. 157-171.
 Commercial education. 2nd Pan-American Sci. Cong., 1915, p. 54-55.

- Government. Bur. of Edu. Bull., Dept. of Interior, 1916, No. 25.
- The justiciability of international disputes. *Am. Pol. Sci. Rev.*, 1916, v. 10, p. 70-79.
- Two conceptions of the freedom of the seas. *Am. Hist. Rev.*, 1917, v. 22, p. 535-543.
- The Prussian-American treaties. *Am. J. Int. Law*, 1917, v. 11, p. 475-510.
- Democracy and the law of nations. *Univ. Rec.*, Chicago, 1917, v. 3, p. 249-265.
- Submarines and innocent passage. *Am. J. Int. Law*, 1917, v. 11, p. 147-153.
- Many reviews in *J. Int. Law*, *Am. Pol. Sci. Rev.*, and *Am. Hist. Rev.*

REIGHARD, Jacob Ellsworth

- An experimental field study of warning coloration in coral-reef fishes. Paper from the Tortugas Laboratory of the Carnegie Institution of Washington, 1909, No. 103, p. 257-325, 5 pls.
- Methods of studying the habits of fishes, with an account of the breeding habits of the horned dace. *Proc. 4th Int. Fisheries Cong.*, 1909, Pt. 2, p. 1111-1136.
- The pearl organs of American minnows in their relation to the factors of descent. *Science*, 1910, n. s. v. 31, p. 472.
- An experimental study of color discrimination, association and memory in the gray snapper, *lutianus griseus* (Linnaeus) and of warning coloration in coral-reef fishes. *Proc. of the 7th Int. Zool. Cong.*, Boston, 1912, p. 154-155.
- An ecological reconnoissance of the fishes of Douglas Lake, Cheboygan Co., Michigan, in mid-summer. *Bull. U. S. Bur. Fisheries*, 1913, v. 33, p. 215-249, 3 figs.
- Improvement of fishing through a knowledge of the breeding habits of fishes. *Tr. Am. Fisheries Soc.*, 1913, v. 34, p. 97-104.
- A plea for the preservation of records concerning fish. *Tr. Am. Fisheries Soc.*, 1913, v. 34, p. 105-110, 2 figs.
- The breeding habits of the log perch. *15th Rep.*, Mich. Acad. Sci., 1914, p. 104-105.
- A peculiar color display in the yellow grunt. *Copeia*, 1915, No. 22, p. 33-35.
- Description of a new species of lamprey of the genus *ichthyomyson*. (With Harold Cummins.) *Occas. Papers of the Mus. of Zool.*, Univ. of Mich., 1916, No. 31, p. 1-12, 2 pls.

The senses and learning of fishes. Tr. Am. Fisheries Soc. 1917, v. 37, p. 133-170.

Methods of study. (Being Chapter VI of Fresh water biology, by H. B. Ward and G. C. Whipple.) John Wiley and Sons, New York, 1918, p. 61-89, 20 figs.

RICH, Daniel Leslie

Oscillatory spark discharge between unlike metals. Phys. Rev., 1917, v. 10, p. 140-155.

RIGGS, Henry Earle

The valuation of public service corporation property. Reprinted from Tr. Am. Soc. Civ. Eng., 1911, v. 72, p. 1-173.

Valuation of public utilities. A report of work done with six others for Am. Soc. Civ. Eng., 1916, p. 380.

ROBBINS, Frank Egleston

The hexaemeral literature. A study of the Greek and Latin commentaries on Genesis (University of Chicago dissertation). Univ. of Chicago Press, Chicago, 1912, v. 104 p.

Classical philology, general index. Univ. of Chicago Press, 1915, v. 1-10, 46 p.

The relation between codices B and F of Pliny's letters. Class. Philol., 1910, v. 5, p. 467-475.

Tables of contents in the manuscripts of Pliny's letters. Class. Philol., 1910, v. 5, p. 476-487.

The influence of Greek philosophy on the early commentaries on Genesis. Am. J. Theol., 1912, v. 16, p. 218-240.

An experiment with the direct method in Greek. Class. W., 1913, v. 7, p. 55-56.

The creation story in Ovid Met. I. Class. Philol., 1913, v. 8, p. 401-414.

προλαμβάνειν c. gen.: Note on Demosthenes XVIII, 26. Class. Philol., 1915, v. 10, p. 77-80.

"Unmixed milk," Odyssey IX, 296-298. Class. Philol., 1915, v. 10, p. 442-444.

The lot oracle at Delphi. Class. Philol., 1916, v. 11, p. 278-292.

Numerous reviews in Classical Philology and elsewhere.

ROBBINS, Rainard Benton

A continuous function having nowhere a derivative. Ind. Univ. Stud., 1910, No. 7, p. 59-63.

A method in the calculus of variations. *Am. J. Math.*, 1915, v. 37, p. 367-394.

Applications of mathematics to breeding problems. I. *Genetics*, 1917, v. 2, p. 489-504; II, *ibid*, 1918, v. 3, p. 73-92.

ROBINSON, Beverley

Lattice design. *Arch. Rec.*, 1917, v. 41, p. 336-340.

The spirit of the Renaissance. *Arch. Rec.*, 1918, v. 44, p. 152-158.

ROOD, John Romain

The principles of statutory construction. *Mod. Law*, 1913, p. 50.
 Encyclopedia articles: Criminal law, v. 3, p. 1-202; The law of landlord and tenant, v. 4, p. 267-406; The history of the law of real property, v. 5, p. 1-61; The title of estates in land, v. 6, p. 109-197; The law of mortgages, chattel and real, v. 6, p. 323-437; The law of judgments, v. 10, p. 303-346; The law of attachments, garnishments, and executions, v. 10, p. 347-453.
Am. Law and Procedure, 1910.

The struggle for a perpetuity. *Mich. Law Rev.*, 1910, v. 8, p. 181-198.

The attachment of unliquidated demands. *Mich. Law Rev.*, 1910, v. 8, p. 323-325.

Insanity in criminal cases. *Mich. Law Rev.*, 1910, v. 9, p. 126-137.

The way of the transgressor is easy. *Mich. Law Rev.*, 1911, v. 9, p. 424-426.

Is a judgment open to collateral attack if rendered without written pleadings as required by statute, or if the writings do not comply with the statutory requirements? *Mich. Law Rev.*, 1912, v. 10, p. 384-391.

How to beat the rule against perpetuities. *Mich. Law Rev.*, 1913, v. 12, p. 53-55.

The registration of land titles. *Mich. Law Rev.*, 1914, v. 12, p. 377-393.

Jurisdictional facts. *Mich. Law Rev.*, 1915, v. 13, p. 403-407.

The rule against perpetuities applied to options. *Mich. Law Rev.*, 1916, v. 14, p. 231-232.

What words create a power. *Mich. Law Rev.*, 1917, v. 15, p. 326-332.

The Torrens system. *Mich. Law Rev.*, 1917, v. 15, p. 365-367.

The disposition to be made of property the subject of power if the power is not exercised. *Mich. Law Rev.*, 1917, v. 15, p. 386-412.

Options and the rule against perpetuities. *Case and Comment*, 1917, v. 23, p. 835-841.

What service gives jurisdiction in personam. *Mich. Law Rev.*, 1917, v. 15, p. 493-497.

ROTH, Filibert

Michigan manual of forestry, v. 1, Forest regulation. *Ann Arbor*, 1914, 218 p.; v. 2, Forest valuation. *Ann Arbor*, 1916, 171 p.

Normal growing stock and actual growing stock in the forest. *For. Quar.*, 1915, v. 13, p. 154-157.

Concerning site. *For. Quar.*, 1916, v. 14, p. 3-12.

Business rate of interest, and rate made by the forest. *For. Quar.*, 1916, v. 14, p. 255-259.

What is a basis for yield tax? *J. For.*, 1917, v. 15, p. 886-890.

RUFUS, Will Carl

The celestial planisphere of King Yi Tai-jo. *Tr. Korea Br. Royal Asiatic Soc.*, 1913, v. 4, pt. 3, p. 23-72.

The probable effect of radioactivity on the death-rate of the sun. *Pop. Astr.*, 1914, v. 22, p. 427-432.

Korea's cherished astronomical chart. *Pop. Astr.*, 1915, v. 23, p. 193-198.

The spectra of stars belonging to Class R of the Draper classification. *Pub. Astr. Obs. Univ. of Mich.*, 1916, v. 2, p. 103-143.

A human adding machine. *Korea M.*, 1917, v. 1, p. 195-198.

The observatory of Silla. *Pop. Astr.*, 1917, v. 25, p. 490-496.

Relativity in astronomy. *Pop. Astr.*, 1918, v. 26, p. 160-165.

RUNNING, Theodore Rudolph

Empirical formulas. *Mathematical Monographs*, No. 19, John Wiley and Sons, 1917, 144 p.

A graphical solution of the differential equation of the first order. *Am. Math. Monthly*, 1913, v. 20, p. 279-281.

Graphical solution of problems connected with non-prismatic reservoirs under varying conditions of inflow and outflow. *Eng. Rec.*, 1914, v. 69, p. 67-68.

- A graphical solution of problems involving differential equations of the first order. Mich. Tech., 1914, v. 27, p. 221-228.
- A new method of deriving weir formulas. Eng. News, 1916, v. 76, p. 695-696.

RUTHVEN, Alexander Grant

- A biological survey of the sand dune region on the south shore of Saginaw Bay, Michigan. (With others.) Mich. Geol. and Biol. Surv., 1910, 347 p., 19 pls., 1 map.
- A contribution to the theory of orthogenesis. Am. Nat., 1909, v. 43, p. 401-409.
- Notes on Michigan reptiles and amphibians. 11th Ann. Rep. Mich. Acad. Sci., 1909, p. 116-117.
- Notes on Michigan reptiles: II. 12th Ann. Rep. Mich. Acad. Sci., 1910, p. 59.
- A simple type of museum jar for large alcoholic specimens. Mus. J., 1911, v. 10, p. 200-201, 1 pl.
- The Mershon expedition to the Charity Islands, Lake Huron. Science, 1911, n. s. v. 33, p. 208-209.
- The organization of new museums of natural history. Proc. Am. Assn. Mus., 1910, v. 4, p. 124-126.
- Contributions to the herpetology of Iowa. Proc. Iowa Acad. Sci., 1910, p. 198-209, 4 pls.
- Notes on Michigan reptiles and amphibians: III. 13th Ann. Rep. Mich. Acad. Sci., 1911, p. 114-115, 1 pl.
- Description of a new salamander from Iowa. Proc. U. S. Nat. Mus., 1912, v. 41, p. 517-519.
- The white-tailed deer of Michigan. (With N. A. Wood.) Science, 1912, n. s. v. 35, p. 863-864.
- The amphibians and reptiles collected by the University of Michigan-Walker expedition in Southern Vera Cruz. Zool. Jahrb., 1912, Bd. 32, Heft 4, p. 295-332, 6 pls.
- The herpetology of Michigan. (With Crystal Thompson and Helen Thompson.) Mich. Geol. and Biol. Sur., 1912, Public. 10, Biol. Ser. 3, p. 1-160, 20 pls. and 55 figs.
- Description of a new anolis from Brazil. Proc. Biol. Soc. of Wash., 1912, v. 25, p. 163-164.
- On the breeding habits of Butler's garter snake. Biol. Bull., 1912, v. 24, p. 18-20.
- The dorsal scale rows of snakes. Science, 1913, n. s. v. 37, p. 60.

- Description of a new *uta* from Nevada. Proc. Biol. Soc. of Wash., 1913, v. 26, p. 27-29, 1 fig.
- On some amphibians and reptiles from the State of Vera Cruz, Mexico. 14th Ann. Rep. Mich. Acad. Sci., 1913, p. 230-231.
- Contributions to the herpetology of Iowa: II. Proc. Ia. Acad. Sci., 1913, v. 19, p. 207.
- Notes on a collection of mammals from Northwestern Iowa. (With N. A. Wood.) Proc. Ia. Acad. Sci., 1913 v. 19, p. 207.
- A Nevada record for the Canadian otter. (With F. M. Gaige.) Science, 1913, n. s. v. 37, p. 883.
- The local distribution of the reptile-amphibian fauna in Southern Vera Cruz and its bearing on the origin of the savannahs. Ann. Assn. Am. Geog., 1913, v. 2, p. 41-48, 3 pls.
- The variations in the number of vertebrae and ventral scutes in two snakes of the genus *regina*. Am. Nat., 1913, v. 47, p. 625-632, 3 figs.
- On *ameiva bifrontata* Cope and *ameiva divisus* (Fischer). Occas. papers, Mus. of Zool., Univ. of Mich., 1913, No. 2, p. 1-3.
- Drepanodon eatoni* sp. nov. (apud Barbour). Proc. Acad. Nat. Sci. of Phil., 1913, p. 506-507, 1 pl.
- Description of a new species of *basiliscus* from the Sierra Nevada de Santa Marta, Colombia. Proc. Biol. Soc. of Wash., 1914, v. 27, p. 9-12, 1 pl.
- The Bryant Walker expedition of the University of Michigan to the Santa Marta Mountains, Colombia, in the summer of 1913. Science, 1914, n. s. v. 39, p. 277-278.
- Description of a new species of engystomatid frog of the genus *hypopachus*. Proc. Biol. Soc. of Wash., 1914, v. 27, p. 77-79.
- The reptiles and amphibians collected in Northwestern Nevada by the Walker-Newcomb expedition of the University of Michigan. (With Helen T. Gaige.) Occas. Papers, Mus. of Zool., Univ. of Mich., 1915, No. 8, p. 1-34, 5 pls.
- The breeding habits of *prostherapis subpunctatus* Cope. (With Helen T. Gaige.) Occas. papers, Mus. of Zool., No. 10, p. 1-5, 1 pl.
- The gestation period in *thamnophis butleri* (Cope). Copeia, 1915, No. 15, p. 3-4.
- The breeding habits of *hylodes cruentus* Peters. Occas. Papers, Mus. of Zool., Univ. of Mich., 1915, No. 11, p. 1-6, 1 pl.

- An interpretation of the distribution of the reptiles in Maggie Basin, Nevada. Bull. Am. Geog. Soc., 1915, v. 47, p. 948-952.
- On the occurrence of *Clemmys insculpta* (Le Conte) in Michigan. (With Crystal Thompson.) Occas. Papers, Mus. of Zool., Univ. of Mich., 1915, No. 12, p. 1-2.
- Observations on the habits, eggs and young of *Hyla fuhrmanni* Peracca. Occas. Papers, Mus. of Zool., Univ. of Mich., 1915, No. 14, p. 1-4, 1 pl.
- Description of a new subspecies of *Cnemidophorus lemniscatus laurenti*. Ibid., 1915, No. 16, p. 1-4, 1 pl.
- Description of a new genus and species of lizard of the family gekkonidae. Ibid., 1915, No. 19, p. 1-3.
- Description of a new tailless amphibian of the family dendrobatidae. Ibid., 1915, No. 20, p. 1-3.
- A new genus and species of lizard from Colombia, with remarks on the genus *pseudogonatodes*. Ibid., 1916, No. 21, p. 1-3.
- Description of a new species of *Atelopus* from the Santa Marta Mountains, Colombia. Ibid., 1916, No. 28, p. 1-3, 3 pls.
- A new species of *Paludicola* from Colombia. Ibid., 1916, No. 30, p. 1-3.
- Three new species of *Anolis* from the Santa Marta Mountains, Colombia. Ibid., 1916, No. 32, p. 1-8, 3 pl.
- The breeding season of *Bufo marinus* (L.) in Demerara. Copeia, 1916, No. 31, p. 43-44.
- A new genus and species of amphibian of the family cystignathidae. Occas. Papers, Mus. of Zool., Univ. of Mich., 1916, No. 33, p. 1-4, 1 pl.
- Description of a new species of *Eleutherodactylus* from Colombia. Ibid., 1917, No. 34, p. 1-4, 3 figs., 1 pl.
- Two new species of *Eleutherodactylus* from Colombia. Occas. Papers, Mus. of Zool., Univ. of Mich., 1917, No. 39, p. 1-8.
- A new amphibian of the genus *Eleutherodactylus* from the Santa Marta Mountains, Colombia. Occas. Papers, Mus. of Zool., Univ. of Mich., 1917, No. 43, p. 1-3, 1 pl.
- On the occurrence of *Bufo fowleri* in Michigan. Occas. Papers, Mus. of Zool., Univ. of Mich., 1917, No. 47, p. 1-5, 1 pl.

SADLER, Herbert Charles

- The resistance of some full types of vessels. Tr. Soc. Nav. Arch. and Mar. Eng., 1909, v. 17, p. 39-43, 4 pls.

- The influence of the position of the midship section on the resistance of some forms of vessels. *Tr. Soc. Nav. Arch. and Mar. Eng.*, 1909, v. 17, p. 180-184, 3 pls.
- The resistance of some merchant ship types in shallow water. *Tr. Soc. Nav. Arch. and Mar. Eng.*, 1911, v. 19, p. 83-86, 8 pls.
- The expansion and contraction of dimensions and the effect upon resistance. *Tr. Soc. Nav. Arch. and Mar. Eng.*, 1914, v. 22, p. 56-60, 5 pls.
- The resistance of various types of bayes in shallow and deep water. *Tr. Soc. Nav. Arch. and Mar. Eng.*, 1916, v. 24, p. 170-174, 8 pls.
- Some points in connection with shipbuilding on the Great Lakes, U. S. A. *Tr. Inst. Nav. Arch.*, London, 1909, v. 51, p. 220-232, 3 pls.

SANDERS, Henry Arthur

- Facsimile of the Washington Manuscript of Deuteronomy and Joshua in the Freer collection. Univ. of Mich., Ann Arbor, 1910, x, 201 p.
- The Old Testament manuscripts in the Freer collection; Pt. 1, Washington Manuscript of Deuteronomy and Joshua. Univ. of Mich. Stud., Human. Ser., v. 8, Macmillan Co., New York, 1910, p. 1-104.
- University of Michigan Studies, Humanistic Series, v. 4, Roman history and mythology, as Editor. Macmillan Co., New York, 1910, p. 1-427.
- Facsimile of the Washington manuscript of the Gospels in the Freer collection. Univ. of Mich., Ann Arbor, 1912, x, 376 p.
- The New Testament manuscripts in the Freer collection. Univ. of Mich. Stud., Human. Ser., v. 9, Pt. 1, The Washington Manuscripts of the Four Gospels. Macmillan Co., New York, 1912, viii, 247 p. Part II, The Washington Manuscript of the Epistles of Paul (Pt. I being reprinted), *ibid.*, 1918, p. 248-357.
- The Old Testament manuscripts in the Freer collection; Pt. 1, 2nd ed., Pt. 2, 1st ed. Univ. of Mich. Stud., Human. Ser., v. 8, Macmillan Co., New York, 1917, viii, 357 p.
- Hoskier's Genesis of the versions. *Am. J. of Phil.*, 1912, v. 32, p. 30-42.

- The generalogies of Jesus. J. Bibl. Lit., 1913, v. 32, p. 188-193.
 The New Testament quotation of a twice-repeated prophecy.
 Bibliotheca Sacra, 1914, v. 71, p. 275-282.
 A new collation of ms. 22 of the Gospels. J. Bibl. Lit., 1914, v. 32, p. 91-117.
 Some Greek fragments in the Freer collection. J. Bibl. Lit., 1915, v. 34, p. 187-193.
 Several reviews.

SAUER, Carl Ortwin

- Geography of the upper Illinois valley. Ill. State Geol. Sur. Bull., 1916, No. 27, p. 208, 69 figs.
 Outline for field work in geography. (With Wellington D. Jones.) Bull. Am. Geog. Soc., 1915, v. 47, p. 520-525.
 Condition of geography in the high school and its opportunity. J. Mich. Sch. Masters' Club, 1916, p. 125-129.
 Proposed agricultural survey on a geographic basis. Mich. Acad. Sci., 19th rep., 1917, p. 79-86.
 Reviews in Bull. Am. Geog. Soc., 1915-17; Geog. Rev., 1917.

SCHOEPFLE, Chester Seitz

- Triphenylmethyl: XXIV. The additive compounds of triphenylmethyl and some saturated hydrocarbons. (With M. Gomberg.) J. Am. Chem. Soc., 1915, v. 37, p. 2569-2574.

SCHOLL, John William

- Some Egmont interpretations. Mod. Lang. Notes, 1911, v. 26, p. 237-239.
 A moot-point in adjective declension. Monatshefte f. Deutsche Sprache u. Pädagogik, 1912, v. 13, p. 5.
 The gardener's art in 'The Winter's Tale.' Mod. Lang. Notes, 1912, v. 27, p. 176-178.
 Longfellow and Schiller's "Lied von der Glocke." Mod. Lang. Notes, 1913, v. 28, p. 49-50.
 On the two place-names in 'Thanatopsis.' Mod. Lang. Notes, 1913, v. 28, p. 247-249.
 Kleist at Boulogne-sur-mer. Pub. Mod. Lang. Assn. of Am., 1914, v. 29, 359-387.
 Reviews and other publications.

SCHWABE, Henry Otto

- The semantic development of words for eating and drinking in Germanic. (*Linguistic Studies in Germanic*, ed. by Francis A. Wood, No. 1). Univ. of Chic. Press, 1915, 110 p.
- MHG. ähe, NHG. (Tyrol.) ache(n), äche. *Mod. Lang. Notes*, 1916, v. 31, p. 505-506.
- Etymological notes. *Mod. Lang. Notes*, 1917, v. 32, p. 222-225.
- Germanic coin-names. *Mod. Philol.*, 1916, v. 13, p. 583-608; 1916, v. 14, p. 105-120; 1917, v. 14, p. 611-638.

SCOTT, Fred Newton

- Paragraph writing. A rhetoric for colleges. (With Joseph Villiers Denney.) New Ed., rewritten and much enl. Allyn & Bacon, Boston, 1909, xi, 468 p.
- Selections from the Old Testament. Edited with introd. and notes. Macmillan Co., New York, 1910, xxvi, 335 p.
- Thomas Hill Green. Ed. with introd. and notes. George Wahr, Ann Arbor, 1911, 79 p.
- A handbook for teachers. (To accompany Scott & Denney's *Elementary English composition*.) Allyn & Bacon, Boston, 1912, 85 p.
- The teaching of English in the elementary and the secondary school. (With G. R. Carpenter and F. T. Baker.) New Ed., Longmans, Green & Co., New York, 1913, viii, 306 p.
- Longfellows Bedeutung für Amerika. *Deutsche Rev.*, 1909, Bd. 34, p. 58-63.
- A brief catechism on textbooks in English. *Edu. Rev.*, 1909, v. 37, p. 359-361.
- Two ideals of composition teaching. *Proc. Ind. Assn. Teachers of Eng.*, 1911, p. 6-14.
- Keat's missal. *Nation*, 1911, v. 92, p. 470-471.
- Verbal taboos. *School Rev.*, 1912, v. 20, p. 361-378.
- The order of words in certain rhythm-groups. *Mod. Lang. Notes*, 1913, v. 28, p. 237-239.
- Our problems. *Eng. J.*, 1913, v. 2, p. 1-10.
- Efficiency for efficiency's sake. *Pub. North Cen. Assn. Col. and Sec. Sch.*, 1914, p. 34-42.
- The undefended gate. *Eng. J.*, 1914, v. 3, p. 1-14.
- Vowel alliteration in modern poetry. *Mod. Lang. Notes*, 1915, v. 30, p. 233-237.

- The standard of American speech. Eng. J., 1917, v. 6, p. 1-11.
 The Congress of Letters. Univ. Mo. Bull., 1917, v. 18, p. 1-16.
 The accentual structure of isolable English phrases. Pub. Mod. Lang. Assn., 1918, n. s. v. 26, p. 73-84.

SCOTT, Irving Day

- The spacing of fracture systems and its influence on the relief of the land. Beitr. Geophysik., 1914, v. 13, p. 161-181; 241-260.

SCOTT, Jonathan French

- Historical essays on apprenticeship and vocational education. Ann Arbor Press, Ann Arbor, 1914, 96 p.
 Patriots in the making. D. Appleton & Co., Chicago, 1916, xvi, 263 p.
 An investigation in regard to the condition of labor and manufacturers in Massachusetts, 1860-1870. Tr. of the Wis. Acad. of Sci., Arts and Letters, 1911, p. 167-186.
 Apprenticeship under the English gild system. The El. Sch. Teacher, 1912, v. 13, p. 180-188.
 The decline of the English apprenticeship system. The El. Sch. Teacher, 1913, v. 14, p. 445-454.
 Economic reasons for vocational education. Pedagogical Seminary, 1913, v. 20, p. 259-267.
 Education and social conditions. Pedagogical Seminary, 1913, v. 20, p. 530-538.
 Limitations of gild monopoly. Am. Hist. Rev., 1917, v. 22, p. 586-589.

SELLARS, Roy Wood

- Critical realism. Rand-McNally & Co., Chicago, 1916, x, 283 p.
 The next step in democracy. Macmillan Co., New York, 1916, 272 p.
 The essentials of logic. Houghton Mifflin Co., Boston, 1917, 343 p.
 The essentials of philosophy. Macmillan Co., New York, 1917, x, 301 p.
 Space. J. Phil., Psych., and Sci. Meth., 1909, v. 6, p. 617-623.
 Is there a cognitive relation? J. Phil., Psych., and Sci. Meth., 1912, v. 9, p. 225-232.
 A thing and its properties. J. Phil., Psych., and Sci. Meth., 1915, v. 12, p. 318-328.

The status of epistemology. *J. Phil., Psych. and Sci. Meth.*, 1917, v. 14, p. 673-680.

An approach to the mind-body problem. *Phil. Rev.*, 1918, v. 27, p. 150-163.

SHARFMAN, I. Leo

Economics (Pt. 1). *Pei-Yang Univ. Pub.*, Tientsin, China, 1911, ix, 56 p.

Summary of the law of sales. *Pei-Yang Univ. Pub.*, Tientsin, China, 1911, 35 p.

Commission regulation of public utilities. A compilation and analysis of laws of forty-three states and of the federal government for the regulation by Central Commissions of Railroads and other Public Utilities. (As chief investigator, with W. D. Kerr, ed. and Bruce Wyman, counsel.) *The Nat. Civ. Fed.*, 1913, p. 1284.

Railway regulation. An analysis of the underlying problems in railway economics from the standpoint of government regulation. *LaSalle Extension Univ.*, Chicago, 1915, vi, 230 p.

Commission regulation of public utilities: A survey of legislation. *Ann. Am. Acad. Pol. and Soc. Sci.*, 1914, v. 53, pl. 1-18.

SHEPARD, John Frederick

The circulation and sleep. Experimental investigations accompanied by an atlas. *Univ. Mich. Stud.*, Macmillan Co., New York, 1914, v. 1, sci. ser. ix, 83 p.

Studies in association and inhibition. (With H. M. Fogelsonger.) *Psych. Rev.*, 1913, v. 20, p. 290-311.

Maturation and use in the development of an instinct. (With F. S. Breed.) *J. An. Behav.*, 1913, v. 3, p. 274-285.

Systematic reviews of literature; affective phenomena. *Exp. Psych. Bull.*, 1913, v. 10; 1915, v. 12; 1917, v. 14.

Systematic reviews of literature; habit formation and higher mental capacities in animals. *Psych. Bull.*, 1915, v. 12; 1917, v. 14.

SHULL, Aaron Franklin

Do parthenogenetic eggs of hymenoptera produce only males? *Am. Nat.*, 1910, v. 44, p. 127-128.

The artificial production of the parthenogenetic and sexual phases of the life cycle of *hydatina senta*. *Am. Nat.*, 1910, v. 44, p. 146-150.

- The life cycle of *hormaphis hamamelidis*. (With T. H. Morgan.)
Ann. Entom. Soc. Am., 1910, v. 3, p. 144-146.
- Studies in the life cycle of *hydatina senta*. I. Artificial control of the transition from the parthenogenetic to the sexual mode of reproduction. J. Exp. Zool., 1910, v. 8, p. 311-354.
- Studies in the life cycle of *hydatina senta*. II. The rôle of the temperature, of the chemical composition of the medium, and of internal factors upon the ratio of parthenogenetic to sexual forms. J. Exp. Zool., 1911, v. 10, p. 117-166.
- Thysanoptera and orthoptera. Part of a biological survey of the sand dune region on the south shore of Saginaw Bay, Michigan. Mich. Geol. and Biol. Sur., 1911, Biol. ser. 3, p. 177-231.
- The effect of the chemical composition of the medium on the life cycle of *hydatina senta*. Biochem. Bull., 1911, v. 1, p. 174-193.
- Studies in the life cycle of *hydatina senta*. III. Internal factors influencing the proportion of male-producers. J. Exp. Zool., 1912, v. 10, p. 283-317.
- The influence of inbreeding on vigor in *hydatina senta*. Biol. Bull., 1912, v. 24, p. 1-13.
- Inheritance in *hydatina senta*. I. Viability of the resting eggs and the sex ratio. J. Exp. Zool., 1913, v. 15, p. 49-89.
- Eine künstliche erhöhung der Proportion der Männchenerzeuger bei *hydatina senta*. Biol. Centralbl., 1913, v. 33, p. 575-576.
- Nutrition and sex determination in rotifers. Science, 1913, n. s. v. 38, p. 786-788.
- Biology of the thysanoptera. Am. Nat., 1914, v. 48, p. 161-176; 236-247.
- Inheritance in *hydatina senta*. II. Characters of the females and their parthenogenetic eggs. J. Exp. Zool., 1915, v. 18, p. 145-186.
- Parthenogenesis in *anthothrips verbasci*. 16th Rep. Mich. Acad. Sci., 1915, p. 46-48.
- Periodicity in the production of males in *hydatina senta*. Biol. Bull., 1915, v. 28, p. 187-197.
- Factors affecting male-production in *hydatina senta*. (With Sonia Ladoff.) J. Exp. Zool., 1916, v. 21, p. 127-161.
- Cytoplasm and heredity. Ohio J. Sci., 1916, v. 17, p. 1-8.
- The method of evolution from the viewpoint of a geneticist. Am. Nat., 1917, v. 51, p. 361-369.

Sex-determination in anthothrips verbasci. *Genetics*, 1917, v. 2, p. 480-488.

Cell inconstancy in hydatina senta. *J. Morphol.*, 1918, v. 30, p. 455-464.

Effect of environment upon inherited characters of hydatina senta. *Biol. Bull.*, 1918, v. 34, p. 335-350.

SINK, Emory Walter

The origin of the germ cells in the toadfish (*Opsanus tau*). 14th Rep. Mich. Acad. Sci., 1912, p. 212-217, 12 figs.

SMITH, Arthur Whitmore

Principles of electrical measurements. McGraw-Hill Book Co., New York, 1914, xiv, 243 p.

Heat of evaporation of water. *Phys. Rev.*, 1911, v. 33, p. 173-183.

The measurement of magnetic permeability. *Phys. Rev.*, 1917, n.s.v. 9, p. 414-418.

Time lag in magnetization. *Phys. Rev.*, 1917, n. s. v. 9, p. 419-424.

Magnetic measurements. *Mich. Tech.*, 1917, v. 30, p. 109.

Frequency of current reversals in magnetic testing. *Mich. Tech.*, 1918, v. 31, p. 18-24.

SMITH, Maurice Isadore

The synergism of morphine and the scopolamins. *J. Pharm. and Exp. Therap.*, 1915, v. 7, p. 407-421.

Further studies in nicotine tolerance. (With C. W. Edmunds.) *J. Lab. and Clin. Med.*, 1915, v. 1, p. 3-8.

The temperature reactions in anaphylaxis. *J. Lab. and Clin. Med.*, 1916, v. 1, p. 3-11.

The comparative pharmacological action of ethylhydrocuprein (optochin) and quinine. (With Bernard Fantus.) *J. Pharm. and Exp. Therap.*, 1916, v. 8, p. 53-74.

The elimination of strychnine by the kidneys. (With Robert A. Hatcher.) *J. Pharm. and Exp. Therap.*, 1916, v. 9, p. 27-41.

The action of strychnine in certain types of cardiac irregularities. *J. Pharm. and Exp. Therap.*, 1917, v. 9, p. 365-390.

SMITH, Shirley Wheeler

Academic and industrial efficiency. *Mich. Alumnus*, 1911, v. 17, p. 187-188.

Other papers, "Cultivating man for profit," "How best to systematize system," "Why do men work," etc., in *Mill Supplies*, from time to time, 1911-14.

STANLEY, Albert Augustus

- Music in American universities. III Kongress der Inter. Musik-Gesellschaft. Bericht. Wien, 1909, p. 456-466.
- The third international music congress in Vienna. *Proc. Music Teachers Nat. Assn.*, 1909, p. 204, 219.
- The function of the concert room. *Proc. Music Teachers Nat. Assn.*, 1910, p. 36, 48.
- Statistical review of publications of I. M. G. and of concert programs from 1899 to 1910. *Zeitschrift der Inter. Musik-Gesellschaft*, 1910.
- The value of a collection of musical instruments in university instruction. 2nd paper. *Proc. of 4th Inter. Music Cong.*, 1911, p. 341-346.
- Provincial music festivals in the United States. *Proc. of 4th Inter. Music Cong.*, 1911, p. 277-284.
- The London congress and its suggestions. *Proc. W. T. N. A.*, 1911, p. 232-241.
- Graduate work in music in American universities. *Proc. Brit. Music Assn.*, 1912, p. 116, 139.

STEVENS, Alviso Burdett

- Pharmacy and dispensing. Lea & Febiger, Philadelphia, 1909, xi, 421 pp.
- Arithmetic of pharmacy. 3rd ed., Merck & Co., New York, 1913, xii, 90 p.
- Emulsions. *Proc. Am. Pharm. Assn.*, 1909, v. 57, p. 974-975.
- Weights and measures. *Proc. Am. Pharm. Assn.*, 1910, v. 58, p. 505-506.
- Standardization of solutions for alkaloidal assay. *J. Am. Pharm. Assn.*, 1912, v. 1, p. 605-607.
- Aliquot parts. *J. Am. Pharm. Assn.*, 1912, v. 1, p. 607.
- The national formulary. *Pharm. Era*, 1912, v. 45, p. 321-323.
- The regulation of degrees. *Am. J. Phar.*, 1913, v. 85, p. 445-447.

STRAUSS, Louis A.

- A discourse upon comedy, The recruiting officer, and The beaux' stratagem. By George Farquhar. Ed. with biography, introd., and notes. D. C. Heath & Co., Boston, 1914, lvi, 358 p.

SUNDERLAND, Edson Read

- Cases on trial practice, annotated. Callaghan & Co., Chicago, 1912, xviii, 852 p.
- Cases on code pleading, annotated. Callaghan & Co., Chicago, 1913, xvii, 761 p.
- Cases on common law pleading, annotated. Callaghan & Co., Chicago, 1914, xix, 827 p.
- Corporation liens on stock. Mich. Law Rev., 1910, v. 8, p. 555-571.
- Preserving a special appearance. Mich. Law Rev., 1911, v. 9, p. 396-411.
- Directing a verdict for the party having the burden of proof. Mich. Law Rev., 1913, v. 11, p. 198-209.
- Teaching practice. Rep. Am. Bar Assn., 1913, v. 38, p. 908-923.
- The inefficiency of the American jury. Mich. Law Rev., 1915, v. 13, p. 302-316.
- The Michigan judicature act of 1915. Mich. Law Rev., 1916, v. 14, p. 273-280, 383-390, 441-454, 551-561.
- The sheriff's return. Columbia Law Rev., 1916, v. 16, p. 281-298.

SWINTON, Roy Stanley

- A graphical solution for some problems in astronomy. Eng. News, 1912, v. 68, p. 354-355.
- Photo surveying. Mich. Tech., 1917, v. 30, p. 189-196.

THIEME, Hugo Paul

- Le cousin pons, par Honore de Balzac, ed. with introd., notes and questionnaire. Ann Arbor, 1911, xlv, 275 p.
- Essai sur l'histoire du vers Français. (Preface par M. Gustave Lanson.) Librairie Ancienne Honoré Champion, 1916, xii, 432 p.
- Notes on Victor Hugo's versification. Stud. in honor of A. M. Elliott, 1911, v. 1, p. 209-224.

THOMPSON, Warren Simpson

- Population: A study in Malthusianism. Longmans, Green & Co., New York, 1915, 218 p.
- Race suicide in the United States. Sci. Monthly, 1917, v. 5, p. 22-35, 154-165, 258-269.

TILLEY, Morris Palmer

- American edition of the first part of Henry the fourth, ed. by Frederick W. Moorman. (The Arden Shakespeare.) D. C. Heath and Co., New York, 1917, xxix, 213 p.
- Life and works of James Barrow Hope. Lib. of So. Lit., 1909, v. 6, p. 2531-2560.
- Moth in Love's labour's lost. Nation, 1909, p. 437.
- A passage in Love's labour's lost (I, ii, 1). Shakespeare Jahrb., 1910, v. 46, p. 117-118.
- Duration of time in Love's labour's lost. Eng. Stud., 1910, v. 42, p. 452-453.
- The "white hand" of Shakespeare's heroines. Sewanee Rev., 1911, v. 19, p. 207-211.
- The etymology of "pun." Mod. Lang. Rev., 1911, v. 6, p. 211-212.
- Unnoted Shakespeare allusions in Thomas Shadwell. Notes and Queries, 1913, v. 8, Ser. 11, p. 46.
- Hamlet's "ha, ha." Mod. Lang. Notes, 1913, v. 28, p. 227-228.
- Shakespeare references. Shakespeare Jahrb., 1913, v. 49, p. 145-146.
- The organic unity of Twelfth night. Mod. Lang. Pub., 1914, v. 29, p. 550-566.
- Notes on All's well that ends well. Mod. Lang. Notes, 1915, v. 30, p. 211-214.
- A good kissing carrion (Hamlet, II, 2, 182). Mod. Lang. Rev., 1916, v. 40, p. 462-463.
- Notes on Twelfth night. Archiv für das Studium der neueren Sprachen und Literaturen, 1916, v. 134, p. 133-138.
- Some evidence in Shakespeare of contemporary efforts to refine the language of the day. Pub. of Mod. Lang. Assn., 1916, v. 31, p. 65-78.
- Shakespeare on Satan as an angel of light. Notes and Queries, 1917, v. 3, Ser. 12, p. 75.
- Shakespeare and Italian geography. J. Eng. and Germ. Philol., 1917, v. 16, p. 454-455.
- Love's labour's lost (IV, 105). Mod. Lang. Rev., 1918, v. 13, p. 85-86.

TRUEBLOOD, Thomas Clarkson

British and American eloquence. (With Robert I. Fulton.)
Grim & Co., Boston, 1910, xi, 403 p.

Essentials of public speaking. (With Robert I. Fulton.) Grim &
Co., Boston, 1910, xiv, 251 p.

College courses in public speaking. Quar. J. of Pub. Sp., 1915,
v. 1, p. 260-266.

TUPPER, Walter Wesselhoeft

Notes on ginkgo biloba. Bot. Gaz., 1911, v. 51, p. 374-377.

A comparison of the wood structure of *Oenothera stenomeres* and
its tetraploid mutation *gigas*. (With H. H. Bartlett.)
Genetics, 1916, v. 1, p. 177-184.

The relation of mutational characters to cell size. (With H. H.
Bartlett.) Genetics, 1918, v. 3, p. 93-106.

TURNER, Edward Raymond

The negro in Pennsylvania, slavery, servitude, freedom, 1639-
1861. Am. Hist. Assn., Washington, 1911, xii, 314 p.

The New Market campaign, May, 1864. Whittet and Shepperson,
Richmond, 1912, xiv, 205 p.

The first abolition society in the United States. Penn. M. of
Hist. and Biog., 1912, v. 36, p. 92-109.

The abolition of slavery in Pennsylvania. Penn. M. of Hist. and
Biog., 1912, v. 36, p. 129-142.

The underground railroad in Pennsylvania. Penn. M. of Hist.
and Biog., 1912, v. 36, p. 309-318.

The Hindu-Arabic numerals. Pop. Sci. Monthly, 1912, v. 81, p.
601-613.

The rivalry of Germany and England. Sewanee Rev. Quart.,
1913, v. 21, p. 129-147.

The peerage bill of 1719. Eng. Hist. Rev., 1913, v. 28, p. 243-259.

The development of the Cabinet, 1688-1760. Am. Hist. Rev.,
1913, v. 18, p. 751-768 and v. 19, p. 27-43.

The woman's suffrage movement in England. Am. Pol. Sci. Rev.,
1913, v. 7, p. 588-609.

Eighteenth century. Rep. Am. Hist. Assn., 1911, v. 1, p. 89-98.

Committees of Council and the Cabinet. Am. Hist. Rev., 1914, v.
19, p. 772-793.

The Lords Justices of England, 1695-1755. Eng. Hist. Rev.,
1914, v. 29, p. 453-476.

- The neutrality of Belgium. *Nation*, 1914, v. 99, p. 743-744.
- The permanent neutrality of Belgium. *Nation*, 1915, v. 100, p. 409-411.
- The Privy Council of 1679. *Eng. Hist. Rev.*, 1915, v. 30, p. 251-270.
- Early opinion about English exercise. *Am. Hist. Rev.*, 1916, v. 21, p. 314-318.
- The immediate causes of the war. *Nation*, 1916, v. 102, p. 99-102.
- The keelmen of Newcastle. *Am. Hist. Rev.*, 1916, v. 21, p. 542-545.
- Women's suffrage in New Jersey, 1790-1807. *Smith College Studies of Hist.*, 1916, v. 1, p. 165-187.
- The lords of the Committee of Council. *Am. Hist. Rev.*, 1916, v. 22, p. 90-94.
- Committees of the Privy Council, 1688-1760. *Eng. Hist. Rev.*, 1916, v. 31, p. 545-572.
- Ulster—an exposition based on the writings of both sides. *Nation*, 1917, v. 104, p. 97-191.
- Nationalist Ireland—the case for home rule. *Nation*, 1917, v. 104, p. 307-310.
- The Cabinet in the eighteenth century. *Eng. Hist. Rev.*, 1917, v. 32, p. 192-203.
- Opposition to home rule. *Am. Pol. Sci. Rev.*, 1917, v. 11, p. 448-460.
- Other papers, reviews, etc.

VAN DEN BROEK, John A.

- An eccentric loading experiment. *Eng. and Cont.*, 1917, v. 48, p. 249-251.
- The effects of cold-working on the elastic properties of steel. *J. Iron and Steel Inst.*, *Carnegie Scholarship Memoirs*, 1918, v. 9, p. 125-169.

VAN TYNE, Claude Halstead

- A history of the United States. (With A. C. McLaughlin.) *D. Appleton and Co.*, New York, 1911, 430 p.
- Unexplored fields in Michigan history. *Mich. Pioneer and Hist. Soc. Col.*, 1912, v. 38, p. 148-153.
- The causes and significance of our last war with Great Britain. *Ind.*, 1913, p. 1326-1331.

Influence of the clergy, and of religious and sectarian forces, on the American Revolution. *Am. Hist. Rev.*, 1913, v. 19, p. 44-64.

Influences which determined the French government to make the treaty with America, 1778. *Am. Hist. Rev.*, 1916, v. 21, p. 528-541.

Democracy's educational problem. *Patriotism through Edu. Ser.*, New York, 1918, No. 38, p. 8.

Numerous reviews in *Am. Hist. Rev.*, *Nation*, etc.

VAN ZWALUWENBURG, James Gerrit

The rate of blood flow in the arm. (With A. W. Hewlett.) *Heart*, 1909, v. 1, p. 87-97.

Comparison between the bloodflow in the arm and in the hand. (With A. W. Hewlett.) *Proc. Soc. Exp. Biol. and Med.*, 1911, v. 8, p. 111-113.

Some observations on heart block. *Archiv. Int. Med.*, 1911, v. 8, p. 141-149.

Some details of the auricular pressure curves of the dog. (With J. H. Agnew.) *Heart*, 1912, v. 3, p. 343-350.

Losses in transmission as a source of error in x-ray dosage. *J. Roentgenology*, 1915, v. 2.

Anomalies of the fifth lumbar in relation to backaches. *J. Mich. Med. Soc.*, 1916, v. 15, p. 428.

The capillary circulation in Roentgenograms of the chest. *J. Roentgenol.*, 1916, v. 3, p. 532.

Radiographic demonstration of spontaneous pneumothorax. *Int. Clinics*, 1917, v. 3, p. 104-108.

Greater certainty in the localization of foreign bodies in the eye. *J. Roentgenol.*, 1917, v. 4, p. 512.

VAUGHAN, Victor Clarence

Protein sensitization and its relation to some of the infectious diseases. *Ztschr. Immunitätforsch. exp. Therap.*, Jena, 1908-09, v. 1, p. 251-282.

The evolution of the superman. *J. Minn. Med. Assn.*, 1909, v. 29, p. 211-218.

Protein fever; the production of a continued fever by repeated injections of protein. (With Sybil M. Wheeler and W. F. Gidley.) *J. Am. Med. Assn.*, 1909, v. 53, p. 629-632.

- The value of limitations of a salt free diet and restriction of fluid in nephritis. *J. Am. Med. Assn.*, 1909, v. 53, p. 1789.
- The physical basis of life. *Tr. Assn. Am. Phys.*, 1909, v. 24, 1-11.
- The future of the medical profession. *Science*, 1910, n. s. v. 31, p. 127-137.
- The management of glycosuria in elderly persons. *N. Y. Med. J.*, 1910, v. 91, p. 417.
- The function of a university medical school. *J. Am. Med. Assn.*, 1910, v. 54, p. 1191-1193.
- The army medical service. *Mil. Surg.*, 1910, v. 27, p. 119-129.
- The split products of the tubercle bacillus and their effects on animals. *Tr. Nat. Assn. for study and prevention of Tuberculosis*, 1910, v. 3, p. 237-243.
- The parenteral introduction of proteins. (With J. G. Cumming and C. B. McGumphy.) *Ztschr. Immunitätforsch. exp. Therap.*, Jena, 1911, Orig., v. 9, p. 16-28.
- Protein fever. (With J. G. Cumming and J. H. Wright.) *Ztschr. Immunitätsforsch. exp. Therap.*, Jena, 1911, Orig., v. 9, p. 458-489.
- The ferment produced in protein sensitization. *Ztschr. Immunitätforsch. exp. Therap.*, Jena, 1911, Orig., v. 11, p. 673-682.
- Fever, its nature and significance. (With J. G. Cumming and J. H. Wright.) *Tr. Assn. Am. Phys.*, 1911, v. 26, p. 191-217, 5 charts
- Further studies on sensitization in tuberculosis. *Tr. Assn. Am. Phys.*, 1911, v. 26, p. 218-233.
- The protein poison. *Proc. Am. Phil. Soc.*, 1912, v. 5, p. 206-213.
- The philosophy of a scientist. *Science*, 1912, n. s. v. 36, p. 225-233.
- Anaphylaxis and its relation to immunity and disease. *Detroit Med. J.*, 1912, v. 12, p. 375-378.
- The relation of anaphylaxis to immunity and disease. *Am. J. Med. Sci.*, 1913, v. 145, p. 161-177.
- Eugenics or race betterment. *Pub. Health*, Lansing, 1913, v. 8, p. 3-24.
- The influence of disease on civilization. *Pa. Med. J.*, 1913-14, v. 17, p. 85-98.
- The protein poison and its relation to disease. *J. Am. Med. Assn.*, 1913, v. 61, p. 1761-1764.

- The etiology of the infectious diseases (abstract). N. Y. Med. J., 1914, v. 99, p. 230-232.
- The doctor's dream. Science, 1914, n. s. v. 39, p. 149-154.
- The phenomena of infection. J. Am. Med. Assn., 1914, v. 42, p. 583-589.
- How bacteria cause disease. J. Mich. Med. Soc., 1914, v. 13, p. 245-258.
- The importance of frequent and thorough medical examination of all citizens. Int. Clinics, 1914, v. 24, p. 122-130.
- The service of medicine to civilization. J. Am. Med. Assn., 1914, v. 62, p. 2003-2012.
- Race betterment. J. Psycho-Esthenics, 1914, v. 18, p. 128-138.
- Parenteral protein digestion. J. Am. Med. Assn., 1914, v. 63, p. 365-369. Discussion of: p. 373-375.
- Stanford University Medical School. Science, 1914, n. s. v. 40, p. 126.
- The nature and purpose of education. Science, 1914, n. s. v. 40, p. 685-697.
- The conservation of health. J. Ind. Med. Assn., 1914, v. 7, p. 461-467.
- The eradication of disease. Ky. Med. J., 1914, v. 12, p. 760-765.
- Crime and disease. J. Am. Inst. of Criminol., 1914-15, v. 5, p. 688-694.
- Medical ideals. Wis. Med. J., 1914-15, v. 13, p. 297-301.
- The hilltop tragedy. Ohio Pub. Heal. J., 1915, v. 5, p. 141-154.
- Reorganization of clinical teaching; a compilation of reports of special committee presented by the chairman. J. Am. Med. Assn., 1915, v. 64, p. 785-790.
- The relation of parenteral digestion to immunity. Boston Med. and Surg. J., 1915, v. 172, p. 560.
- The general principles and mechanism of infection and immunity. N. Y. State J. Med., 1915, v. 15, p. 167-172.
- History and epidemiology of typhus fever. J. Am. Med. Assn., 1915, v. 64, p. 1805-1810.
- Modern military hygiene and camp sanitation. Tr. Coll. Phys., 1915, v. 37, p. 188-200.
- Test for albumin in the urine. J. Lab. and Clin. Med., 1915-16, v. 1, p. 55.
- Preparation of protein poison from egg white. J. Lab. and Clin. Med., 1915-16, v. 1, p. 55-56.

- Preparation of specific precipitins. *J. Lab. and Clin. Med.*, 1915-16, v. 1, p. 56-57.
- Agglutination. *J. Lab. and Clin. Med.*, 1915-16, v. 1, p. 57-58.
- Folin's test for sugar in normal urine. *J. Lab. and Clin. Med.*, 1915-16, v. 1, p. 131-132.
- The fight against tuberculosis in Michigan. *J. Lab. and Clin. Med.*, 1915-16, v. 1, p. 134-135.
- The action of smallpox vaccine. *J. Lab. and Clin. Med.*, 1915-16, v. 1, p. 135-137.
- Mutation in bacteria. *J. Lab. and Clin. Med.*, 1915-16, v. 1, p. 145-149.
- Death by hanging. *J. Lab. and Clin. Med.*, 1915-16, v. 1, p. 271-282.
- Poisonous proteins. *J. Lab. and Clin. Med.*, 1915-16, v. 1, p. 631-643; 851-861; 1916-17, v. 2, p. 15-24.
- Death by suffocation. *J. Lab. and Clin. Med.*, 1915-16, v. 1, p. 708-712.
- Tuberculosis. *J. Lab. and Clin. Med.*, 1916-17, v. 2, p. 143-144.
- The detection of semen. *J. Lab. and Clin. Med.*, 1916-17, v. 2, p. 195-198.
- The first year of the Michigan tuberculosis survey. *J. Lab. and Clin. Med.*, 1916-17, v. 2, p. 206-208.
- Commercial glucose as a food. *J. Lab. and Clin. Med.*, 1916-17, v. 2, p. 274-277.
- Ritual murder. *J. Lab. and Clin. Med.*, 1916-17, v. 2, p. 283-284.
- Cyanide poisoning in a case of typhoid fever. (With Ludvig Hektoen, and Walter S. Haines.) *J. Lab. and Clin. Med.*, 1916-17, v. 2, p. 576-577.
- The National Research Council. *J. Lab. and Clin. Med.*, 1916-17, v. 2, p. 581-586.
- The rank and authority of the medical officer. *J. Lab. and Clin. Med.*, 1916-17, v. 2, p. 595.
- The English recognize the importance of giving authority to medical officers. *J. Lab. and Clin. Med.*, 1916-17, v. 2, p. 596.
- The desirability of having expert entomologists in military camps. *J. Lab. and Clin. Med.*, 1916-17, v. 2, p. 663-667.
- Suggestions and recommendations concerning the physical examination of recruits for the United States army and navy and for the collection of scientific data and material in connection with the hospital service. *J. Lab. and Clin. Med.*, 1916-17, v. 2, p. 668-669.

- A new mercurial germicide. *J. Lab. and Clin. Med.*, 1916-17, v. 2, p. 669-670.
- Digitalis grown in America. *J. Lab. and Clin. Med.*, 1916-17, v. 2, p. 670.
- Dried tetanus antitoxin. *J. Lab. and Clin. Med.*, 1916-17, v. 2, p. 741-742.
- The paraffin wax or closed method of treatment of burns. *J. Lab. and Clin. Med.*, 1916-17, v. 2, p. 920-922.
- A biological concept of the structure of the protein molecule. *Long Island Med. J.*, 1916, v. 10, p. 177-186.
- Further studies of the protein poison. *J. Am. Med. Assn.*, 1916, v. 47, p. 1559-1562.
- Recent ideas concerning infection and immunity. *J. Mich. Med. Soc.*, 1916, v. 15, p. 8-11.
- Disease known as crime. *Survey*, 1916, v. 36, p. 53.
- The protein poison in immunity and disease. *Canada Lancet*, 1917, v. 1, p. 199-205.

WAGNER, Charles Philip

- Spanish grammar. Ann Arbor Press, Ann Arbor, 1909, x, 197 p. Rev. in 1910 and in 1911.
- Introduction and notes to the life of Lazarillo de Tormes, and his fortunes and adversities. (Done out of the Castilian from R. Foulché-Delbosc's restitution of the editio princeps, by Louis How.) Mitchell Kennerley, New York, 1917, p. i-xliv, 126-150.
- Three editions of Lazarillo de Tormes. *Mod. Lang. Notes*, 1915, v. 30, p. 85-90.
- Reviews in *Romanic Rev.* and *Mod. Lang. Notes*.

WAITE, John Barker

- Admiralty jurisdiction and state waters. *Mich. Law Rev.*, 1913, v. 11, p. 580-587.
- Recovery of purchase price before title has passed. *Mich. Law Rev.*, 1916, v. 14, p. 320-325.
- Performance of a legal obligation as consideration. *Mich. Law Rev.*, 1916, v. 14, p. 40-484.
- A definition of consideration. *Mich. Law Rev.*, 1916, v. 14, p. 570-576.
- The patentability of a principle of nature. *Mich. Law Rev.*, 1917, v. 15, p. 243-245.

Limitations upon the use, after sale, of patented articles. Mich. Law Rev., 1917, v. 15, p. 581-584.

Patentability of a mental process. Mich. Law Rev., 1917, v. 15, p. 660-664.

WALLACE, David Duncan

The life of Henry Laurens, with a sketch of the life of Lieutenant-Colonel John Laurens. Knickerbocker Press, New York, 1915, xi, 539 p.

The historical background of religion in South Carolina. S. Car. Conf. Hist. Soc., 1916, p. 34.

The government of England, national, local, and imperial. Knickerbocker Press, New York, 1917, xi, 384 p.

The civil government of South Carolina and the United States. Southern Publishing Co., Dallas, 1917, x, 260 p. Rev. ed.

South Carolina as a state in the federal union; the South in the building of the nation. South. Hist. Pub. Soc., 1909, v. 2, p. 39-74.

Indigo culture in the South. South. Hist. Pub. Soc., 1909, v. 5, p. 178-183.

WARD, Marcus Llewellyn

A consideration of the casting process, with special reference to refractory materials. Dent. Cos., 1909, v. 50, p. 1052-1062.

Some changes that have been made in dental amalgams, and the attitude of the profession toward them. Dent. Summary, 1913, v. 33, p. 278-292.

Conflicting opinions concerning the manufacture and use of alloys for dental amalgams. Dent. Cos., 1913, v. 55, p. 1082-1094.

Factors of importance in the construction of cast gold inlays. Dent. Cos., 1915, v. 57, p. 513-529.

Report of a study of the composition and properties of the cements now in use in dentistry. (With Ralph M. McCormick.) J. Nat. Dent. Assn., 1915, p. 354-371.

Our present cements with special reference to those containing copper. Dent. Rev., 1916, v. 30, p. 691-704.

What kinds of bridge work to apply. J. Nat. Dent. Assn., 1917, v. 4, p. 1303-1313.

Several other papers.

WARTHIN, Aldred Scott

- Practical pathology, 2nd ed. Entirely rewritten. George Wahr, Ann Arbor, 1911, 310 p., 55 figs.
- Sex-pedagogy in the high school. (Chapter 20 of Johnston's high school education.) Charles Scribner's Sons, New York, 1912, p. 361-381.
- Diseases of the lymphatic vessels; Diseases of the lymphatic glands; Diseases of the thymus. (Being Chapters 14, 18, and 24 of Osler-McCrae's Modern Medicine, v. 5.) Lea and Febiger Philadelphia, 1915-1917, p. 579-601; 729-754; 905-933.
- Death due to leukaemic infiltration of the larynx; priapism persistent post mortem, myeloid thromboses in the corpora cavernosa; fatal hemorrhage from spleen after prolonged radiotherapy. *Int. Clinics*, 1909, v. 4, Ser. 19, p. 280-296.
- Hyperplasia of the hemolymph nodes. *Tr. Assn. Am. Phys.*, 1909, v. 24, p. 282-289.
- The pathology of thymic hyperplasia and the status lymphaticus *Archiv. of Pediatrics*, 1909, v. 26, p. 597-617.
- Congenital syphilis simulating leukaemia and splenic anaemia (Banti's disease). *Int. Clinics*, 1910, v. 4, Ser. 20, p. 60-65.
- The relation of thrombophlebitis of the portal and splenic veins to splenic anaemia and Banti's disease. *Int. Clinics*, 1910, v. 4, Ser. 20, p. 189-227.
- The occurrence of icterus in tuberculosis. *Int. Clinics*, 1911, v. 1, Ser. 21, p. 89-93.
- Congenital syphilis of the heart. *Am. J. Med. Sci.*, 1911, v. 141, p. 398-411.
- A preliminary report on some occupational diseases occurring in Michigan. *Pub. Heal., Mich.*, 1912, v. 7, p. 67-77.
- Report on the occurrence of the fish tape-worm (*Dibothriocephalus latus*) in Michigan. *Pub. Heal., Mich.*, 1912, v. 7, p. 78-84.
- Cardiac syphilis. *Ohio State Med. J.*, 1912.
- Focal fatty degeneration of the myocardium associated with localized colonies of *spirochaeta pallida*. *J. Am. Med. Assn.*, 1912, v. 58, p. 689-690.
- Localization of *spirochaeta pallida* in the heart-muscle in congenital syphilis. *J. Am. Med. Assn.*, 1912, v. 58, p. 689-690.
- The molasses plate method; A modification of the Huber-Schmorl-Obregia method. *J. Med. Res.*, 1912, v. 26, p. 39-46.

- The reaction of the haemolymph nodes to chronic protozoal infection. Tr. 7th Int. Cong. Med., London, 1913, Sec. on Gen. Path. and Pathol. Anat., v. 2, p. 211-215.
- Primary tissue-lesions in the heart produced by *spirochaeta pallida*. Tr. 7th Int. Cong. Med., London, 1913, Sec. on Gen. Path. and Pathol. Anat., v. 2, p. 299-304.
- The minute changes produced in leukaemic tissues by exposure to Roentgen rays. Tr. 7th Int. Cong. Med., 1913, Sec. on Gen. Path. and Pathol. Anat., v. 2, p. 313-319.
- Sixty-five articles in third edition of Reference handbook of medical sciences. Wm. Wood & Co., New York, 1913-1917, v. 1-7.
- Traumatic lipaemia and fatty embolism. Int. Clinics, 1913, v. 4, Ser. 23, p. 171-228.
- Heredity with reference to carcinoma. Archiv. Int. Med., 1913, v. 12, p. 546-555.
- Miliary tuberculosis of the placenta. J. Am. Med. Assn., 1913, v. 61, p. 1951-1952.
- Family susceptibility to cancer. J. Mich. State Med. Soc., 1914, v. 13, p. 34-38.
- On the demonstration of micro-chemical reactions in museum specimens. Int. Assn. Med. Mus., 1915, Bull. 5, p. 56-58.
- The occurrence of malignant neoplasm in the young. Archiv. Int. Med., 1915, v. 15, p. 444-450.
- Myxoma-like growths in the heart due to localizations of *spirochaeta pallida*. J. Infect. Dis., 1916, v. 19, p. 138-144.
- Note on a case of complete defect of left half of diaphragm, ectopia of liver in left thoracic cavity (hernia diaphragmatica spuria) with pressure atrophy of left lung. Int. Assn. Med. Mus., 1916, Bull. 6, p. 120-122.
- The staining of *spirochaeta pallida* in tissues. Int. Assn. Med. Mus., 1916, Bull. 6, p. 64-72.
- The new formation of hemal nodes in the omentum and mesentery of the dog after splenectomy and ligation of the splenic veins. Proc. Soc. Exp. Biol. and Med., 1916, v. 14, p. 39-41.
- The persistence of active lesions and *spirochaetes* in the tissues of cases of clinically inactive or "cured" syphilis. Am. J. Med. Sci., 1916, v. 152, p. 508-522.
- A study of the lipin-content of the liver in two cases of pituitary dystrophy. Proc. Soc. Exp. Biol. and Med., 1916, v. 14, p. 42-44.

- Syphilis of the pancreas, with reference to the coincidence of syphilitic pancreatitis and diabetes. *Tr. Assn. Am. Phys.*, 1916, v. 31, p. 387-393.
- A study of the lipin content of the liver in two cases of dyspituitarism. *J. Lab. and Clin. Med.*, 1916-17, v. 2, p. 73-93.
- Syphilis of the pulmonary artery: syphilitic aneurysm of left upper division: demonstration of spirochete pallida in wall of artery and aneurysmal sac. *Am. J. Syphilis*, 1917, v. 1, p. 693-711.
- The pathology of the skin lesions produced by mustard gas (dichlorethylsulphide). (With Carl V. Weller.) *J. Lab. and Clin. Med.*, 1918, v. 3, p. 447-479.
- Toxic jaundice due to dinitrophenol. *Int. Assn. Med. Mus.*, 1918, Bull. 7, p. 123-126.
- Note on fatty embolism and shock. *Int. Assn. Med. Mus.*, 1918, Bull. 7, p. 399-406.
- Other papers, addresses, annual reports of the Michigan State Association for the prevention of tuberculosis, 1909-1912. Joint. ed. of the Bull. *Int. Assn. Med. Mus.*, Nos. 3-8, 1913-1918, etc.

WATERMAN, Leroy

- Some Kouyunjik letters and related texts. Univ. of Chic. Press, 1912, 36 p.
- Business documents of the Hammuraoi period. Luzao and Co., London, 1916, 137 p.
- Textual notes on the letters of the Sargon period. *J. Semitic Lang.*, 1911, v. 38, p. 134-143.
- Bull worship in Israel. *Am. J. Semitic Lang.*, 1915, v. 31, p. 229-255.
- A half-century of biblical and Semitic investigation. *Am. J. Semitic Lang.*, 1916, v. 32, p. 219-229.
- Several reviews.

WATSON, Russell

- Growth and reproduction of western hemlock. Univ. of Wash. For. Club. Ann., Seattle, 1914, v. 2, p. 49-62.
- Site determination, classification and application. *J. of For.*, 1917, v. 15, p. 552-564.

WEBSTER, David Locke

- On an electromagnetic theory of gravitation. *Proc. Am. Acad. Arts and Sci.*, 1912, v. 47, p. 561-581.
- On the existence and properties of the ether. *Proc. Am. Acad. Arts and Sci.*, 1912, v. 48, p. 510-527.
- The theory of the scattering of Röntgen radiation. *Phil. Mag.*, 1913, p. 234-241.
- The effect of pressure on the absorption of light by bromine and chlorine, and its theoretical significance. *Phys. Rev.*, 1914, n. s. v. 4, p. 177-194.
- Planck's radiation formula and the classical electrodynamics. *Proc. Am. Acad. Arts and Sci.*, 1915, v. 50, p. 131-145.
- The intensities of X-ray spectra. *Phys. Rev.*, 1915, n. s. v. 5, p. 238-243. (See also Errata and Addenda, *ibid*, June 1915.)
- The emission quanta of characteristic X-rays. *Proc. Nat. Acad. Arts and Sci.*, 1916, v. 2, p. 90.
- Experiments on the emission quanta of characteristic X-rays (Abstract). *Phys. Rev.*, 1916, n. s. v. 7, p. 403.
- A test for X-ray refraction made with monochromatic rays. (With Harry Clark.) *Phys. Rev.*, 1916, n. s. v. 8, p. 528-533.
- The intensities of X-rays of the L series. (With Harry Clark.) *Proc. Nat. Acad. Sci.*, 1917, v. 3, p. 181-185.
- X-ray emissivity as a function of cathode potentia. *Phys. Rev.*, 1917, n. s. v. 9, p. 220-225.
- The theory of electromagnetic mass of the Parson magneton and other non-spherical systems. *Phys. Rev.*, 1917, n. s. v. 9, p. 484-499.
- Equations as statements about things. *Science*, 1917, n. s. v. 46, p. 187-189.

WELLER, Carl Vernon

- Primary carcinoma of the bronchi. *Archiv. of Int. Med.*, 1913, v. 11, p. 314-333.
- Splenic enlargement in infancy and childhood. *Archiv. of Pediatrics*, 1914, v. 31, p. 514-524.
- Age incidence in carcinoma. *Archiv. of Int. Med.*, 1914, v. 12, p. 539-545.
- The blastophthoric effect of chronic lead poisoning: breeding experiments. Preliminary report. *Proc. Soc. Exp. Biol. and Med.*, 1914-15, v. 12, p. 157-158.

- The age-relationship between types of malignant disease. J. Mich. State Med. Soc., 1915, v. 14, p. 524-526.
- Age incidence in sarcoma. Archiv. Int. Med., 1915, v. 15, p. 518-523.
- Two rare cardiac malformations: Congenital aneurismal dilatation of the ductus arteriosus. True partial transposition of the great vessels with both sorts and pulmonary artery arising from the right ventricle. Int. Assn. Med. Mus., 1915, Bull. 5-6, p. 122-125.
- The use of large sections mounted as lantern slides, as an aid in museum teaching. Int. Assn. Med. Mus., 1915, Bull. 5, p. 46-48.
- The blastophthoric effect of chronic lead poisoning. J. Med. Res. 1915-16, v. 33, p. 271-293.
- Histological study of the testes of guinea pigs showing lead blastophthoria. Preliminary report. Proc. Soc. Exp. Biol. and Med., 1916, v. 14, p. 14.
- Some substitutes for glass for covering microscopical sections. I. Gelatin. II. Pyralin. Int. Assn. Med. Mus., 1916, Bull. 6, p. 57-60.
- Coarctation of the aorta with patent ductus arteriosus. Int. Assn. Med. Mus., 1916, Bull. 6, p. 115-117.
- Complete uncorrected transposition of great vessels without defect in the ventricular septum. Int. Assn. Med. Mus., 1916, Bull. 6, p. 117-119.
- Two additional cases of miliary tuberculosis of the placenta with clinically latent tuberculosis of the mother. Archiv. of Int. Med., 1916, v. 17, p. 509-515.
- Ten articles in Reference handbook of medical sciences, 3rd ed., 1913-1917.
- The persistence of cranial bone anlagen in complete acrania. Int. Assn. Med. Mus., 1918, Bull. 7, p. 58-59.
- The pathology of gassing, with a bibliography upon the medical aspects of gassing. Int. Assn. Med. Mus., 1918, Bull. 7, p. 126-148.
- The pathology of the skin lesions produced by mustard gas (dichlorethylsulphide). (With A. S. Warthin.) J. Lab. and Clin. Med., 1918, v. 3, p. 447-479.

WENLEY, Robert Mark

- Kant and his philosophical revolution. (The world's epoch-makers series.) Charles Scribner's Sons, New York, 1910, xii, 302 p.
- The nature of culture studies; the classics and the elective system. (Being ch. IV, and p. II of a symposium: The new education, in Latin and Greek in American education.) Univ. of Mich. Pub. Macmillan Co., New York, 1911, p. 59-81, 283-303.
- The anarchist ideal and other essays. Richard G. Badger, Boston, 1913, vii, 267 p.
- The life of Robert Flint. (With Donald Macmillan, M.A., D.D.) Hodder and Stoughton, London, 1914, p. 30 f., 38 f., 51 f., 190 f., 217 f., 497 f.
- The life and work of George Sylvester Morris: A chapter in the history of American thought in the nineteenth century. (Univ. of Mich. Publ.) Macmillan Company, New York, 1917, xv, 332 p.
- Flavius Josephus; Philo Judaeus. Temple Dictionary of the Bible, 1910.
- Causistry, v. 3; Conscientiousness, v. 4; Cynics, v. 4; Neo-cynicism, v. 9; Neo-pythagoreanism, v. 9; Pancosmism, v. 9. Encyclopaedia of Religion and Ethics, 1911 and 1917.
- Contribution to a symposium on racial development. (With Irving Fisher, E. A. Ross, Lester F. Ward, C. Zueblin, L. T. Hobhouse, and James Beattie Crozier.) The New Age, 1911, v. 8, p. 471 f.
- Freedom of speech in colleges. New York Evening Post, 1912.
- The ideal of efficiency. Univ. of Pittsburgh Bull., 1912, v. 8, No. 21.
- Schools of philosophy. The Volume Library, Chicago, 1915.
- Flavius Josephus; Philo Judaeus. Int. Bible Dict., 1915, v. 3 and 4, p. 1742 f., 2380 f.
- Many reviews and addresses.

WHITNEY, Allen Sisson

- Education at the University of Michigan—history, present status, and pressing needs. Ann Arbor Press, 1916, 20 p.
- Status of superintendents, principals, and teachers of the high schools of Michigan. Proc. Mich. Sch. Masters' Club, 1916, v. 51, p. 25-43.

WHITE, Albert Easton

An investigation of condenser tubes. The Detroit Edison Co., Detroit, 1914, x, 113 p.

Crystallization as a factor in the failure of boiler tubes. Pub. Am. Soc. Testing Materials, 1916, v. 16, p. 80-116.

WHITE, Alfred Holmes

Coals available for the manufacture of illuminating gas. (With Perry Barker.) U. S. Bur. of Mines, Gov. Ptg., 1911, 75 p.
Technical gas and fuel analysis. (International Chemical Series.) McGraw-Hill Book Co., New York, 1913, x, 276 p.

Disintegration of fresh cement floor surfaces by the action of carbon dioxide at low temperatures. Proc. Am. Soc. Testing Materials, 1909, v. 9, p. 530-533.

Studies in the manufacture of coal gas. 2nd paper. (With J. H. Wyman, W. A. Dunkley and Perry Barker.) Proc. Mich. Gas Assn., 1909, v. 4, p. 40-89.

The disintegration of cement floors and sidewalks. Mich. Technic, 1909, v. 22, p. 18-25.

Constants and variables in the destructive distillation of coal. (With B. M. Ferguson.) Proc. Mich. Gas Assn., 1910, v. 5, p. 17-46.

A burette for accurate gas analysis. J. Am. Chem. Soc., 1910, v. 22, p. 343-349.

Destruction of cement mortars and concrete through expansion and contraction. Proc. Am. Soc. for Testing Materials, 1911, p. 531-555.

The function of tar in the condensation of coal gas. Proc. Mich. Gas Assn., 1911, v. 6, p. 48-57.

The electrical separation of tar from coal gas. 1st paper. (With John W. Hacker and Frank Steere.) Proc. Mich. Gas Assn., 1912, p. 101-109. 2nd paper. (With R. B. Rowley and C. K. Wirth.) Ibid, 1914, p. 69.

Volume changes in Portland cement and concrete. Proc. Am. Soc. for Testing Materials, 1914, v. 14, p. 203-241.

Volume changes in concrete. Proc. Int. Eng. Cong., San Francisco, 1915, p. 32.

The heat treatment of iron and steel in a neutral atmosphere. (With Homer T. Hood.) Proc. Mich. Gas Assn., 1915, p. 16.

Gas as a case hardening agent. (With Homer T. Hood.) Proc. Mich. Gas Assn., 1915, p. 32.

WIER, Marion Clyde

The Prometheus bound of Aeschylus. Century Co., New York, 1916, xii, 77 p.

WILE, Udo Julius

Das eleiden der basalen und superbasalen hornschrift. Monatshefte fur Praktische Dermologie, 1909, Bd. 48, p. 245.

Über granuloma pyogenicum. Unna-Festschrift, 1910, Bd. 1, p. 333.

Widespread lupus erythematosus with associated papulo-necrotic tuberculide. J. of Cutan. Dis., 1911, v. 29, p. 286-290.

Sacroid tumors of the skin. J. Cutan. Dis., 1911, v. 29, p. 375-383.

Arsenical cancer with report of a case. J. Cutan. Dis., 1912, v. 30, p. 192-199.

Xanthoma tuberosum multiplex. J. Cutan. Dis., 1912, v. 30, p. 235-241.

The rôle of anaphylaxis in the relation of the skin to disorder of the gastro-intestinal system. Med. Rev. of Rev., 1912, v. 18, p. 379-384.

Gummate of the superficial lymph glands. Arch. Derm. Syphilis, 1912, v. 113, p. 1193-1199.

Demonstration of the spirochaeta pallida in the brain substance of living paretics. J. Am. Med. Assn., 1913, v. 61, p. 866.

Arthropathy in secondary syphilis. J. Cutan. Dis., 1914, v. 32, p. 20-23.

The technic of the intradural injections of neosalvarsan in syphilis of the Nervous System. J. Am. Med. Assn., 1914, v. 63, p. 137-141.

Syphilis of the esophagus. Am. J. Med. Sci., 1914, v. 148, p. 180.

A study of the spinal fluid with reference to involvement of the nervous system in secondary syphilis. J. Cutan. Dis., 1914, v. 32, p. 607-623.

Involvement of the nervous system during the primary stage of syphilis. J. Am. Med. Assn., 1915, v. 44, p. 979-982.

Further studies on the spinal fluid with reference to the involvement of the nervous system in early syphilis. J. Am. Med. Assn., 1915, v. 64, p. 1465-1470.

Further studies of the treatment of syphilis of the nervous system of intradural injections. J. Lab. and Clin. Med., 1915, v. 1, p. 2.

- A study of splenic enlargement in early syphilis. *Am. J. Med. Sci.*, 1915, v. 150, p. 512.
- Some observations on the transmission of syphilis; with particular reference on a paternal source of infection. *J. Cutan. Dis.*, 1916, v. 34, p. 645-653.
- A study of the involvement of the bones and joints in early syphilis. *Am. J. Med. Sci.*, 1916, v. 152, p. 689.
- A critical study of one hundred and twenty cases of late syphilis. *J. Am. Med. Assn.*, 1916, v. 67, p. 1917-1918.
- Experimental syphilis in the rabbit produced by the brain substance of the living paretic. *J. Exp. Med.*, 1916, v. 23, p. 199-202.
- Cultural experiments with the spirochaeta pallida derived from the paretic brain. *J. Am. Med. Assn.*, 1916, v. 66, p. 646-647.
- The spirochaetal content of the spinal fluid of tabes, general paresis and cerebro-spinal syphilis. *Am. J. Syphilis*, 1917, v. 1, p. 84-90.
- Icterus gravis syphiliticus—its relation to acute yellow atrophy. *J. Am. Med. Assn.*, 1917, v. 68, p. 1311-1314.
- The mode of absorption of mercury in the inunction treatment of syphilis. *J. Am. Med. Assn.*, 1917, v. 68, p. 1024-1028.
- Other minor papers in dermatology.

WILGUS, Horace Lafayette

- Valuing property and franchises of public service corporations for fixing rates. *Mich. Law Rev.*, 1909, v. 7, p. 412-417.
- Purchase of shares of corporation by a director from a shareholder. *Mich. Law Rev.*, 1910, v. 8, p. 267-297.
- The right of joint adventurers, holding all the stock of a corporation, to a dissolution and accounting. *Mich. Law Rev.*, 1910, v. 8, p. 482-484.
- State regulations affecting interstate commerce. *Mich. Law Rev.*, 1910, v. 8, p. 656-660.
- What is interstate commerce? *Mich. Law Rev.*, 1910, v. 8, p. 662-664.
- Power of governor general to expel resident aliens from insular territory of the United States, *Mich. Law Rev.*, 1911, v. 9, p. 412-422.
- The Standard Oil decision: The rule of reason. *Mich. Law Rev.*, 1911, v. 9, p. 643-670.

Constitutionality of teachers' pension legislation. *Mich. Law Rev.*, 1913, v. 11 and 13, p. 451-477, 27-49, 105-123.

Corporations and express trusts. *Mich. Law Rev.*, 1914 and 1915, v. 13, p. 71-99, 205-238.

WILLARD, Hobart Hurd

Further investigations concerning the atomic weights of silver, lithium, and chlorine. (With T. W. Richards.) *J. Am. Chem. Soc.*, 1910, v. 32, p. 4-49.

The preparation of perchloric acid. *J. Am. Chem. Soc.*, 1912, v. 34, p. 1480-1485.

The colorimetric determination of manganese by oxidation with periodate. *J. Am. Chem. Soc.*, 1917, v. 39, p. 2366-2377.

WILLIAMS, Neil Hooker

The stability of residual magnetism. *Phys. Rev.*, 1913, n. s. v. 1, p. 360-381.

Anomalous temperature effects upon magnetized steel. *Phys. Rev.*, 1913, n. s. v. 3, p. 115-120.

WILSON, Unity Fletcher

Bacillema in tuberculosis as shown by the examination of post-mortem clots from the heart. *J. Infect. Dis.*, 1916, v. 19, p. 260-262.

The coincidence of latent syphilis and diabetes. (With A. S. Warthin.) *Am. J. Med. Sci.*, 1916, v. 152, p. 157-165.

WINTER, John Garrett

The myth of Hercules at Rome in Roman history and mythology. *Univ. of Mich. Stud., Human. Ser.*, v. 4. Macmillan Co., New York, 1910, p. 171-273.

The prodromus of Nicolaus Steno's dissertation concerning a solid body enclosed by process of nature within a solid. *Univ. of Mich. Stud., Human. Ser.*, v. 11, P. 2, Macmillan Co., New York, 1916, p. i-vii, 189-283.

Browning's epilogue to The two poets of Croisic. *Mod. Lang. Notes*, 1909, v. 5, p. 210-214.

Some Roman ruins in Tunisia. *Rec. of the Past*, 1912, v. 11, p. 111-124.

A walk through Ostia. *Rec. of the Past*, 1913, v. 12, p. 139-151.

Greek and Latin in the schools of Belgium. *School Rev.*, 1913, v. 21, p. 618-626.

- The golden house of Nero. *Class. W.*, 1914, v. 7, p. 163-164.
 Doerpfeld's excavations in Corfu. *Class. W.*, 1915, v. 9, p. 60-81.
 Other papers, reviews, etc.

WOOD, Arthur Evans

- A study of the unemployed. *Reed Col. Rec.*, 1914, p. 32.
 The problem of the wage earner who is unable to earn the legal minimum wage. *Proc. Nat. Conf. Char. and Cor.*, 1913, p. 234-246.
 Economic phases of vice. (A chapter in "The Social Emergency." W. T. Foster, Ed.) Houghton, Mifflin Co., Boston, 1915.
 The labor problem of municipal utilities. *Utilities M.*, 1916, v. 1, p. 17-30.
 Comparison of wages and some factors determining them in the street railway and electric light industries. *Utilities M.*, 1917, v. 2, p. 3-16.

ZIWET, Alexander

- Introduction to analytical mechanics. (With Peter Field.) Macmillan Co., New York, 1912, x, 378 p.
 Analytic geometry and principles of algebra. (With Louis Allen Hopkins.) Macmillan Co., New York, 1913, x, 370 p.
 A note on plain kinematics. (With Peter Field.) *Am. Math. Monthly*, 1914, v. 21, p. 109-113.
 The accelerations of the points of a rigid body. (With Peter Field.) *Am. Math. Monthly*, 1916, v. 23, p. 371-381.
 Some reflections on the teaching of mechanics. *Am. Math. Monthly*, 1917, v. 24, p. 296-297.

ZOWSKI (ZWIERZCHOWSKI), Stanislaus Jan

- Water turbines—contributions to their study, computation and design: (a) The American high speed runners for water turbines. v. 23, p. 13-45. (b) A rational method of determining the principal dimensions of water turbine runners. v. 23, p. 47-64. (c) The type characteristic of impulse wheels and its use in design. v. 24, p. 18-35. Introduction to the theory of water turbines. v. 25, p. 15-49. *Mich. Technic*, 1910-1912.
 Six articles on water turbines. *Water Power Chronicle*, 1913, v. 1, p. 34-35, 86-87, 144-146, 177-179, 283-284 and v. 2, p. 69-72, 158-160, 211-213.

- The development of the American water turbines for low heads.
(In Polish language.) *Przegląd Techniczny*, Warsaw, 1913,
v. 51, p. 585-588, 597-600.
- Recent tests of high power, high speed water turbines. *Eng. Rec.*,
1914, v. 70, p. 585-588, 689-690.
- Pitting of water turbines and their design. *J. West. Soc. Eng.*,
1917, v. 22, p. 276-297.

INDEX

Administration

Hall, A. G.
Smith, S. W.

Aeronautics

Pawlowski

Anatomy

Atwell, W. J.
Guild
Huber
McCotter

Architecture

Bennett
Kimball
Robinson

Astronomy

Curtiss
Hussey
Rufus

Bacteriology

De Kruif
Novy, F. G.
Novy, R. L.

Bibliography

Bishop
Finney

Botany

Bartlett
Ehlers
Gardner
Gleason
Kauffman
Newcombe
Tupper

Chemical Engineering

Badger
White, A. E.
White, A. H.

Chemistry

Bartell
Bigelow
Campbell
Carney
Cole
Ferguson
Gomberg
Hale
Lichty
Meloche
Schoepfle
Willard

Civil Engineering

Cissel
King
Riggs

Dentistry

Bunting
Loeffler
Lyons
Ward

Economics

Adams, H. C.
Dowrie
Paton
Sharfman

Education

Davis
Jackson
Myers, G. E.
Whitney

Electrical Engineering

Bailey
Higbie

English

Gingerich
Humphreys
Moore, S.
Nelson, J. R.
Strauss
Tilley

Forestry

Lovejoy
Roth
Watson

Geology

Case
Cook
Hobbs
Leverett
Sauer
Scott, I. D.

German

Boucke
Diekhoff
Florer
Scholl
Schwabe

Greek

Bonner
Robbins
Winter

History

Boak
Crane
Cross
Dow
Scott, J. F.
Turner
Van Tyne
Wallace

Latin

Crittenden
Kelsey
Sanders
Winter

Law

Aigler
Barbour
Bates
Drake
Durfee
Goddard
Holbrook
Rood
Sunderland
Waite
Wilgus

Linguistics

Meador

Marine Engineering

Bragg
Sadler

Mathematics

Allen, E. S.
Bradshaw
Field
Ford
Glover, J. W.
Hildebrandt
Hopkins
Karpinski
Küstermann
Love
Nelson, A. L.
Robbins, R. B.
Running
Ziwet

Mechanical Engineering

Bursley, J. A.
Emswiler
Fessenden
Greiner
Lay
Swinton
Van den Broek
Zowski

- Medicine** (See also Anatomy, Bacteriology, Neurology, Ophthalmology, Pathology, Pharmacology, Physiology, Psychiatry and Surgery)
- Barss
Blinn
Bottsford
Cowie
Dewey
Dixon
Elliott
Forsythe
Gilbert
Malejan
Marshall
Mellon
Newburgh
Smith, M. I.
Van Zwaluwenburg
Vaughan
Wile
- Mineralogy**
- Hunt
Kraus
- Music**
- Stanley
- Naval Architecture**
- Sadler
- Neurology**
- Camp
- Ophthalmology**
- Myers, D. W.
- Oratory**
- Hollister
Trueblood
- Pathology**
- Dieterle, R. R.
Warthin
Weller
Wilson, U. F.
- Pharmacology**
- Edmunds
- Pharmacognosy**
- Kraemer
- Pharmacy**
- Stevens, A. B.
- Philosophy**
- Lloyd
Parker
Sellars
Wenley
- Physics**
- Bell
Carhart
Colby
Harrington
Lindsay
Meyer
Randall
Rich
Smith, A. W.
Webster
Williams
- Physiology**
- Lombard
- Political Science**
- Reeves
- Psychiatry**
- Barrett
- Psychology**
- Adams, H. F.
Pillsbury
Shepard
- Rhetoric**
- Rankin
Scott, F. N.
Wier

Romance Languages

Adams, E. L.
Canfield, A. G.
Kenyon
Levi
McLaughlin
Thieme
Wagner

Semitics

Waterman

Sociology

Cooley, C. H.
Thompson
Wood, A. E.

Surgery

Peterson

Surveying

Atwell, H. H.
Carey, C. O.
Johnston

Zoölogy

Gaige
Glaser
Johnson
La Rue
Okkelberg
Reighard
Ruthven
Shull
Sink

